

Recreation Management Support Program

Recreation Visitor Spending Profiles and Economic Benefit to Corps of Engineers Projects

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ABSTRACT: The U.S. Army Corps of Engineers (CE) is the largest federal provider of water-based recreation. It manages over 450 water resource development projects throughout the United States. These lake and river projects provide significant recreation opportunities and benefits to visitors and local residents, accommodating over 385 million person visits in 1999.

The purposes of this research are to develop visitor spending profiles and to estimate local and national economic effects of spending by visitors to CE projects. A visitor survey was conducted in the summer of 1999 through early 2000 at 16 CE projects across the nation. The survey was administered by the Engineer Research and Development Center of the U.S. Army Corps of Engineers and the Department of Park, Recreation and Tourism Resources at Michigan State University, with assistance from managers and staff at all 16 participating CE projects.

Segmented spending profiles were developed that can be tailored to project-level spending based on regional visitation data. Total recreation visitation was estimated by using information gathered from this study and from the Natural Resource Management System database. Economic effects of CE visitor spending were estimated by applying visitor spending and use data to regional economic multipliers generated from economic input-output models. These results provide a database for further analyses and improvements in future studies like these.

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Preface

The work reported herein was conducted as a part of the Recreation Management Support Program (RMSP). The RMSP is sponsored by the Headquarters, U.S. Army Corps of Engineers (HQUSACE), and is assigned to the U.S. Army Engineer Research and Development Center (ERDC) under the purview of the Environmental Laboratory (EL). Funding was provided under Department of Army Appropriation No. 96X3123, Operation and Maintenance. The RMSP was managed by Ms. Judy Rice, HQUSACE.

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1 Introduction

The U.S. Army Corps of Engineers (CE) is the largest federal provider of water-based recreation. It manages over 450 water resource development projects (hereafter referred to as "projects") throughout the United States. These lake and river projects provide significant recreation opportunities and benefits to visitors and local residents, accommodating over 385 million person visits in 1999 ("Natural Resource Management System (NRMS) 2000"). Spending by visitors on goods and services associated with the CE recreation program has an important influence on economic development in many regions of the United States and is an important component of the nation's economy (Jackson et al. 1996).

The most recent nationwide study found that in 1996 about \$5.6 billion was spent by CE recreation visitors on trips within 30 miles (48 km) of all CE projects. This spending resulted in \$2 billion in income and over 120,000 jobs in industries directly providing goods and services to CE visitors. Secondary effects of CE visitor spending accounted for an additional \$1.3 billion in income and 53,000 jobs (Propst et al. 1998).

Economic effects of CE recreation visitor spending have also been estimated at regional and state levels. At the regional level, economic effects of visitor spending for 12 individual projects (Propst et al. 1995a-f; Stynes et al. 1995a-f) and the Upper Mississippi River System (Carlson et al. 1995) were estimated. State level economic effects stemming from both trip and durable goods expenditures were estimated by Jackson et al. (1996).

Reliable estimates of the regional effects of recreation require precise and current measures of money spent by visitors while engaged in recreation-related activities to CE projects. Visitor expenditures are typically arrayed as "spending profiles," which are vectors of average amounts spent (for itemized goods and services) in conjunction with recreational visits to CE projects. Nationally representative visitor spending profiles were developed from survey data collected during 1989 and 1990 at a sample of 12 CE projects (Propst et al. 1992). The results of the 1989-90 survey indicate that spending patterns were highly variable across visitor segments. Significant differences in spending patterns were found to be associated with whether visitors stayed overnight during their visit, the type of lodging they used, boat usage, and whether visitors lived within or outside the county or counties in which the site was located. Results from the 1992 report provide information useful in developing effective sampling strategies for the survey employed in this study.

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The purposes of this research are to update the Propst et al. (1992) spending profiles and to estimate local and national economic effects of spending by visitors to CE projects. Segmented spending profiles were developed that can be tailored to project-level spending based on regional visitation data. These spending profiles can then be used for economic impact analysis to estimate how visitor spending benefits regions surrounding CE projects.

To update the spending profiles, a sample of visitors from 16 CE projects reported the amounts they spent for goods and services during their trips to the projects. Spending averages were computed and multiplied by visitation statistics to estimate total annual visitor spending. Generalized spending profiles were developed for two sets of visitor segments: (1) campers, other overnight visitors, and day users, and (2) boaters and nonboaters. These profiles were applied to recreation use data gathered from this survey and from the NRMS to estimate total spending by each segment for each of the 456 CE projects. Sales, income, and employment effects within the local region surrounding each of the 456 CE projects were estimated by applying total visitor spending to regional economic multipliers. The national economic effects were estimated by applying total CE spending to the Micro-Implan Recreation Economic Impact (MI-REC) (Stynes, and Propst 1996; Chang and Propst 2000) and Impact Analysis for Planning (IMPLAN) (Minnesota IMPLAN Group, Inc. 1999) systems.

Note that the term "economic effects" rather than "economic impacts" is used in this study for the economic benefits associated with visitor spending. This is to distinguish two kinds of economic impact analyses identified in previous papers as "significance" and "impact" analysis (Stynes and Propst 1992):

- Significance analysis identifies the overall contribution of visitor spending to the region. How much of the sales, income, and employment in the area is associated with visitor spending? No attempt is made here to use a "with vs. without" framework. All spending of recreation visitors associated with their visits to the lakes, including spending by both local residents and tourists, can be included.
- Impact analysis identifies the changes in economic activity within the region that results from some action. The spending and related economic activity included in an impact analysis rest on a clear "with vs. without" framework. Only spending that would not otherwise have occurred in the region should be counted (Stynes et al. 2000).

Since the economic impact estimates in this report include the overall contribution of visitor spending from both residents and nonresidents (i.e., a significance analysis), the term "economic effects" is used to indicate that this is not a "pure" economic impact analysis where only effects from new money (i.e., nonresidents) are included.

The remaining report is divided into four sections. The methods section describes the sampling design and approaches used to measure recreation spending and economic effects. The results section reports visitation, spending profiles,

and economic effects for regions surrounding CE projects and the United States as a whole. The limitation section includes issues related to the data analysis and measurement approaches used in this study. The applications and recommendations section provides guidelines and options for applying these results, including local- (project-) level economic impact analysis. Suggestions for improving the credibility of spending profiles and economic impact analysis are also identified in this section.

Chapter 1 Introduction 3

2 Methods

Survey Site Selection

A total of 16 projects were selected for this study. The site selection procedures were as follows:

- a. All 456 CE projects were assigned to one of four groups based on a classification system developed by Becker (1997). In Becker's study, a total of 108 highly visited CE projects were grouped into three categories based on the number of retail establishments and population of the surrounding areas. Five other projects were later added bringing the total to 113 (see Appendix A). The remaining 343 projects were categorized as the fourth group. Projects of the first three groups accounted for 67 percent of CE's total visitation in 1996.
- b. Eight projects were randomly selected from each of the four groups with the possibility of selection proportional to visitation (32 projects were selected at this point).
- c. Project managers of the 32 projects were asked, in the order in which the projects were selected, to participate in this study. This process was repeated until four project managers in each group agreed to participate. The geographical locations of these 16 projects are shown in Figure 1.

Survey Procedures

Michigan State University (MSU) and the U.S. Army Engineer Research and Development Center (ERDC) developed survey instruments to be used in onsite and mailback surveys (Appendices B and C). Eight hundred surveys were distributed to each of the 16 selected projects across the country. Completed surveys were returned to MSU for processing and analysis. The purpose of the onsite survey was to collect general use data needed for profiling and segmenting of visitors. The purpose of the mailback questionnaire was to measure trip-related expenditures.

Staff at ERDC and MSU visited 4 of the 16 selected projects prior to the survey to provide training materials and observe potential problems. They met with the interviewers (project personnel) and answered questions that they had regarding survey procedures. A website containing survey instructions and

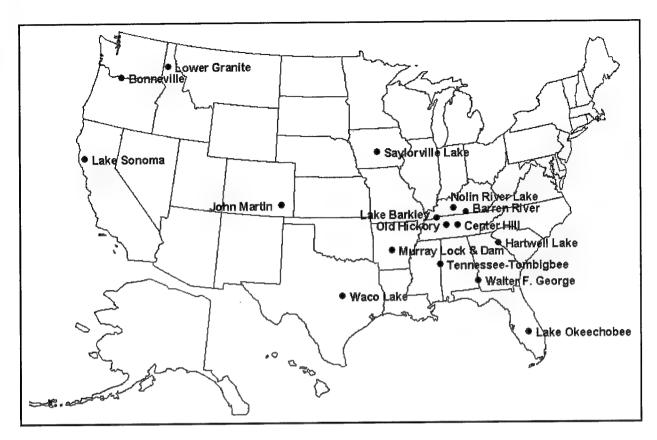


Figure 1. Locations of the 16 CE projects selected for study

frequently asked questions was also developed by MSU staff to assist project managers conducting the survey.

CE personnel distributed and collected the onsite questionnaires and distributed the mailback questionnaires to visitors. During the onsite survey, the CE staff would read the instructions and ask visitors to complete the questionnaire. After completing the questionnaire, those agreeing to complete the mailback portion would receive the survey from CE personnel. Written instructions were provided to the interviewers to follow in obtaining onsite visitor information and distributing mailback questionnaires. These guidelines addressed the allocation of surveys among visitor segments and the random distribution of questionnaires among recreation areas and time periods.

The timeframe for this survey was from June 25 through September 6, 1999, with a total of 24 weekend days and 50 weekdays. A quota of 800 surveys was set for each project. The 800 surveys were distributed among the three market segments according to the following quotas:

- 400 campers (surveyed at campsites).
- 200 boaters (surveyed at boat ramps to both day and overnight visitors).

¹ Except for Lake Okeechobee, which ran through January 2000.

² Except for Bonneville Lock and Dam. Only 200 surveys were distributed since no camping and boating facilities were available at this project.

 200 other nonboating visitors (surveyed at other day use areas to both day and overnight visitors).

Two thirds of the questionnaires were to be distributed on weekend days and one third on weekdays. Survey quotas were also set for various recreation areas at each project in order to obtain the identified target sample for each of the three market segments. Quotas of surveys for individual recreation areas were proportional to reported visitation based on NRMS.

A primary purpose of this study was to obtain a sufficient sample of each segment in order to develop credible expenditure profiles. Since campers and boaters are in the minority at CE projects in comparison to day use nonboaters, these two large categories of visitors were purposefully oversampled out of proportion to their visitation shares. When aggregated visitor information was reported (i.e., party size for all visitors rather than just a given segment), the overall averages were weighted by the 1999 NRMS visitation data for each segment. This was done to convert the survey data into nationally representative information pertaining to CE recreation visitors.

A survey schedule for selected recreation areas at each project was developed. The quota was five visitors per day on a randomly selected weekday and ten visitors per day on a randomly selected weekend day for each market segment. For example, suppose recreation area A's schedule was:

Rec. Area A	Weekday	Weekend
Camper	6/30	6/27 8/15
Boater	7/13 7 /19	7/25

In this case, 5 campers were to be sampled on June 30 (weekday), 10 campers on both June 27 and August 15 (weekend). Five boaters were to be sampled on both July 13 and July 19 and 10 boaters on July 25. In this example, the total number to be sampled for weekday campers was 5, weekend campers 20, weekday boaters 10, and weekend boaters 10.

Instructions were provided to interviewers on how and where to approach visitors in each of the three segments. Interviewers were asked to obtain the list of campers scheduled to depart on the sampled day from a given campground and randomly draw their samples from the list. CE personnel were informed of the importance of distributing the questionnaires on visitors' departure days to eliminate the sampling bias caused by the length of stay. In other words, by sampling only on departure days, researchers eliminated the situation where those who camped longer had a higher chance of being selected.

Instructions were also provided for sampling boaters and other nonboating visitors. In general, boaters and other nonboating visitors were surveyed when they were leaving the recreation areas. Boaters were to be surveyed after they pulled their boats out of the water at the boat ramp and were making preparations to depart. Other nonboating visitors were to be surveyed in the parking lot when they were preparing to leave. This was done so that every visitor party had an

equal chance of being sampled regardless of their length of stay in the recreation areas.

Survey Instruments

Visitor characteristics and trip information were gathered through the onsite surveys while trip spending was measured through the mailback surveys. The CE visitors interviewed onsite were asked questions regarding their current trips such as party size, expected length of stay, and primary purpose (Appendix B). The respondents were asked to report trip spending on the mailback questionnaires after they returned to their homes. Ten spending categories were provided on the mailback questionnaires for trip expenses on lodging, food, transportation, recreation, and other goods or services (Appendix C).

Data Cleaning and Editing

Several rules were set for data cleaning and editing. These rules were made to ensure consistency in data analysis and to filter out extreme numbers (outliers) that would have distorted the results. Reasons for data editing and elimination of cases are described in Appendix D.

Recreation Visits by Segment

Per person trip visits by segment were estimated using the information gathered from this survey and the 1999 Project Recreational Use (PR USE) database and the 1998 Current Use Fee Area Information (CUR_FEE), Open Facilities (OPEN_FC), and Recreation Area (AR MAIN) databases¹ from the NRMS. The total number of visitors, number of day users, and percentage of boaters were obtained from the PR USE database, while the number of campers was estimated from the CUR_FEE, OPEN_FC, and AR_MAIN databases. The PR USE database contains a project-level reporting of total visitation in person trips (visits) and the percentages of campers and boaters among all visitors. These percentages were based on surveys and therefore subject to sampling and other survey errors. Not all projects have conducted surveys in recent years and therefore the estimates may be dated if visitation patterns have changed over time. CUR FEE contains a site-by-site reporting of all the revenues and fees collected and the number of designated campsites where fees were charged. CUR FEE was thought to be a more accurate measure of camping visitation than PR USE because CUR FEE is based on fees collected and is updated annually whereas PR USE is based on traffic estimates applied to survey weights conducted in the past. The OPEN FC database contains the number of all campsites regardless of whether fees were charged in each recreation area for both CE- and non-CE-managed sites. The AR MAIN database contains information about the

¹ The latest available CUR FEE database was 1998.

² Results from the CE Traffic-Stop Recreation Use Surveys reported in the Visitor Estimation and Reporting System were the main sources of these percentages.

managing agency for individual recreation areas. The OPEN_FC and AR_MAIN databases were used to estimate the number of campers who stayed at non-CE-managed campgrounds.

In order to estimate total number of campers at each project, total campground use fee revenues (CG_FEE_REV, a field within the 1998 CUR_FEE database) were divided by an average fee per night to estimate the number of camping nights. An average fee of \$8 per campsite per night was used taking into account fees at sites with and without electricity, fees at CE-managed and non-CE-managed facilities, and discounts for holders of Golden Age and Golden Access Passports. Camp nights at CE-managed sites were then expanded to include non-CE-managed sites by assuming similar occupancy rates at CE- and non-CE-managed sites. The estimated 1998 camper visitations were then projected to 1999 by using the ratios of 1999 to 1998 camper visits from the PR_USE database. The total CE camping visitation was 7.3 million party days estimated from the revenue data (Table 1), an increase of 1 million from the 1996 estimate (Propst et al. 1998).

Table 1 Summary of Recr	eation	Visits to	CE Pr	ojects, 1	999 ¹		
	С	amper	Da	ıy User	Other	Overnight ²	
Visitation	Boat	Nonboat	Boat	Nonboat	Boat	Nonboat	Total
Visits (person trips, MM)	1.2	4.3	80.8	288.1	2.4	8.6	385.5
Average Length of Stay (days)	4.2	3.8	-	-	2.4	3.0	-
Average Party Size (persons)	3.5	2.8	2.8	2.8	3.3	2.5	-
Visits (party days, MM)	1.4	5.9	29.0	104.1	1.8	10.5	152.8

Sources: 1999 NRMS PR_USE database; 1998 NRMS CUR_FEE and PR_USE databases.
 Assumes that 3 percent of day users stayed overnight in lodging accommodations outside of project boundaries.

The number of campers in party nights (camp nights) was then converted to camper "visits" using an average camper length of stay of 4.2 nights and party size of 3.5 for boaters and 3.8 nights and 2.8 people for nonboaters gathered from this study. The formula for converting camper party nights to camper person trips is as follows:

$\label{eq:Person} \textbf{Person trips} = \textbf{Party nights} \times \textbf{Average Party Size} \, / \, \textbf{Average Length of Stay}$

Camper party nights must be converted to person visits to be consistent with the units for which total and day use visitation are reported in the NRMS system (PR_USE database). A "visit" is defined as the entry of one person onto a CE project to engage in one or more recreational activities regardless of the length of stay. As used in this study, a "person trip" is equivalent to a "visit." Total CE camping visitation nationally was 30.2 million visits (person trips) in 1999 based on the PR_USE database, whereas camping visitation derived from the CUR FEE database was only 5.5 million person trip visits. The PR_USE

database estimate was more than five times the revenue-based estimate (Table 1).1

The number of day use visits was derived by subtracting the revenue-based estimate of camper visits from total visits contained in the NRMS PR_USE database. Three percent of day users were set aside as other overnight visitors based on the survey results from this study. Visitors who stay in hotels, motels, vacation homes, friends and relatives, and other off-project lodging accommodations but visit the project for part of a day are treated as day users in the NRMS database. Since these "other overnight" visitors have significantly different spending patterns than typical day users (Propst et al. 1992), it is important to separate them from day users to estimate total spending. In the past, no information was available to estimate the percentage of day users staying overnight in the area. Following the assumption made in the 1994 study (Jackson et al. 1996), 1 percent of day users was set aside as other overnight visitors for the 1996 estimates (Propst et al. 1998). However, this percentage was adjusted upward to 3 percent in this study based on the new 1999/2000 survey information.

Campers, day users, and other overnight visitors were further divided into boaters and nonboaters based upon the proportion of boaters reported by each project in the 1999 NRMS database. This approach resulted in six visitor segments:

- Campers who boat.
- Campers who do not boat.
- Day users who boat.
- Day users who do not boat.
- Other overnight visitors who boat
- Other overnight visitors who do not boat.

Estimates of the number of visitors for each segment in person trips (visits) were converted to party days using average lengths of stay and party sizes for each segment (Table 1). The conversion to party days allows comparisons with previous studies (Propst et al. 1992, 1998).

Visitor spending was originally measured in party trips. To be compatible with NRMS data, all spending was converted to a per person trip basis. This conversion has the practical advantage of making the spending data more usable by project managers.

¹ The revenue-based estimate of camper visits in 1996 was 7.7 million. The reason for the difference (higher estimates in party days but lower in person trips when comparing the 1999 estimates to the 1996 estimates) was that different factors were used to convert camper party days to person trips. An average camper length of stay of 2.8 days and party size of 3.4 were used for the 1996 estimate. Because longer length of stay and smaller party size figures were used in this study compared to the 1996 study, the resulted estimates of camper person trips were smaller than the 1996 estimates.

Visitor Spending by Segment

Spending profiles for each of the six segments were developed. Trip spending included spending on goods and services consumed during a trip such as gasoline, food, and lodging in 10 spending categories. Expenditures for durable goods (items like boats and recreation vehicles that are used on multiple trips) were not included. Trip spending within 30 miles and outside 30 miles of the projects was estimated for each segment.

Due to the low response rates at some projects, the visitor segments were reduced to three (camper, day user, and other overnight visitor) when reporting spending profiles at the project level. The boater and nonboater segments were combined based on NRMS visitation shares so there would be a larger sample in each segment. The segmented visitor spending profiles (three segments) were estimated for three projects, Saylorville Lake, Barren River Lake, and John Martin Dam, where there were at least 10 surveyed visitors in each segment.

Estimates of Economic Effects

Four components are needed to estimate economic effects: recreation spending, visitor use estimates, capture rates, and economic multipliers (Jackson et al., 1992).

Economic effects = Number of visits × Average spending per visit × Capture rate × Regional economic multiplier

For this report, the first two components were derived from the surveys and the NRMS database. Capture rates and economic multipliers were generated by the IMPLAN system. IMPLAN is a microcomputer-based input-output (I-O) modeling system that was originally developed by the U.S. Department of Agriculture, Forest Service, as a DOS application. It is currently maintained by the Minnesota IMPLAN Group Inc., which has modified IMPLAN to fit the WindowsTM environment (Minnesota IMPLAN Group, Inc. 1999).

Local economic multipliers

Multipliers for regions around CE projects were estimated using regional models constructed with IMPLAN DOS version 91-F. These multipliers were estimated for a previous study that estimated local impacts of visitor spending at CE projects in 1996 (Propst et al. 1998; Becker 1997). Counties within a 30-mile radius of 108 projects were used as study regions (see Becker 1997 for details). An I-O model was estimated for each of these regions using the 1990 IMPLAN databases. Next, a national average recreation spending profile was applied to each model--with 100,000 visits as a consistent level of recreation use--and the various aggregate multipliers were then calculated from the impact analysis. These multipliers reflect the structural economic characteristics of each region. All the multipliers were price-adjusted to reflect the current year (1999). For

details on how local economic multipliers were estimated, refer to Propst et al. (1998).

The "average" project has a capture rate of 66 percent (Table 2), meaning that, on average, about two thirds of visitor spending in the local region was captured locally as direct sales effects. Direct effects are the changes in sales, income, and jobs in those businesses or agencies that initially receive the visitor spending (e.g., parks, motels, campgrounds, restaurants, grocery stores, attractions, and retail stores). Capture rates varied from 53 to 83 percent, with most projects ranging between 60 and 70 percent. The capture rate is not 100 percent due to an economic impact concept called "leakage." In this case, "leakage" refers to visitor purchases of goods (e.g., gasoline, groceries and souvenirs) that are not manufactured in the local area. Only the retail margins associated with these purchases generally accrue to the local economy. The rest (wholesale, transportation, and manufacturing costs) escapes or "leaks from" the local area to distant intermediate or production sectors.

The Type I multiplier captures the indirect effects besides the direct effects from visitor spending. Indirect effects are the changes in sales, income, and jobs in "backward linked" industries. These are firms that supply goods and services to those businesses that sell directly to the visitor. For example, motels purchase linen supplies, utilities, and other goods and services in the local area in order to provide lodging for the visitors. Indirect effects associated with recreation spending were quite small and exhibited limited regional variation. The average project had a Type I sales multiplier of 1.18, meaning that each dollar of direct sales generated an additional 18 cents in sales in industries that supply goods and services to tourism businesses (i.e., "backward linked" industries). The Type I sales multiplier varied minimally from 1.09 to 1.28 across the 108 projects.

The Type III multiplier captures both indirect and induced effects.² Induced effects are the changes in economic activity in the region resulting from household spending of income earned through the direct or indirect effects of the visitor spending. For example, motel and linen supply employees live in the region and spend some of their earnings on housing, groceries, education, clothing, and other goods and services. This spending will generate new rounds of sales, income, and job effects. The average project had a Type III sales multiplier of 1.66, meaning that each dollar of direct sales generated 18 cents in indirect sales and another 48 cents in induced effects. Type III sales multipliers varied somewhat more than their Type I counterparts from a low of 1.4 to a high of 2.0.

The Type III multipliers used in this and the previous reports were adjusted downward to correct for a bias in the IMPLAN DOS version multiplier procedures. The induced effects estimated in the DOS version of IMPLAN (version 91-F) assumed an average salary associated with each job. As wages in recreation and tourism-related sectors are lower than average, this approach recirculates too much income as induced effects. Therefore, induced effects were

¹ The Type I multiplier is the ratio of direct plus indirect effects to direct effects.

² The Type III multiplier is the ratio of direct plus indirect plus induced effects to direct effects.

recomputed based on total income generated rather than jobs. For recreation spending, the revised induced effects are about half of those estimated with the standard IMPLAN Type III procedures. The adjusted multipliers are comparable to those from the newer Windows version of IMPLAN when the traditional Type II multipliers are used. However, researchers now recommend the use of the Type SAM multipliers generated by the latest version of IMPLAN-Pro as these most accurately reflect induced effects in outdoor recreation and tourism applications (Stynes et al. 2000).

The SAM framework tracks both market and nonmarket flows. The nonmarket flows are transactions between nonindustrial institutions such as households to government, government to households, and so on. These flows are called "inter-institutional transfers" (Alward and Lindall 1996). Since total personal income is income from all sources, including employment income and transfer payments that are based on both place of work and place of residence, some of this income may not be related to personal consumption expenditures in the region. The SAM multiplier approach enables the model to account for commuting, social security tax payments, household income tax payments, and savings and hence adjusts the Type II multipliers for income that is not normally respent immediately within the region, such as commuting workers who live outside the region and retirement benefits (Minnesota IMPLAN Group, Inc. 2000). The Type SAM multipliers are more conservative than the traditional Type II multipliers for tourism and recreation applications as the induced effects are smaller and are likely more realistic for tourism and recreation applications (Stynes et al. 2000). Researchers have found that Type SAM multipliers are still 10 to 20 percent lower than downwardly adjusted Type III multipliers. Thus, total economic effects in this report may still be inflated by 10 to 20 percent. Type SAM multipliers are not used in this report for project-level impact estimates because the authors wanted to be able to compare the economic effects in this report with comparable data in previous reports (e.g., Propst et al. 1998).

Income and job multipliers were used to convert direct sales to direct, indirect, and induced income and employment effects. Type I income multipliers measure the direct and indirect income associated with each dollar of direct sales, while Type III multipliers also measure the induced effects. For an average project, each dollar of direct sales generated 52 cents in direct income, 9 cents in indirect income (0.61 minus 0.52), and 16 cents in induced income (0.87 minus 0.61) in the local region (Table 2). Employment multipliers are defined similarly but on the basis of the number of jobs per million dollars in direct sales. For an average project, each million dollars in direct sales supported about 32 direct jobs, 3 indirect jobs (35 minus 32), and 8 induced jobs (43 minus 35) for a total job impact of 43 jobs per million dollars of direct sales (Table 2).

Total visitor spending was obtained by multiplying average spending per person trip by the number of person trips for each segment and then summing the results across segments. Economic effects at the project level were estimated by multiplying total visitor spending by capture rates and multipliers that were unique to each project (averages were used when there were no multipliers

¹ For details on the revised Type III multipliers, refer to Propst et al. (1998).

Table 2 Economic Mult	ipliers for Regio	ons Surrounding	108 CE Projects ¹
Multiplier	Sales	Income ²	Jobs ³
	Average A	Across 108 Regions	
Direct effects	1.00	0.52	31.86
Type I multiplier	1.18	0.61	34.48
Type III multiplier	1.66	0.87	42.81
Capture rate⁴	0.66		
	Range (m	inimum - maximum)	
Type I multiplier	1.09 - 1.28	0.51 - 0.72	21.78 - 49.57
Type III multiplier	1.37 - 1.99	0.66 - 1.11	27.74 - 59.43
Capture rate⁴	0.53 - 0.83		

Region defined as all counties within 30-mile radius of the project. Multipliers were originally computed by Becker (1997) using IMPLAN DOS version 91-F with 1990 database. All the Type III multipliers were modified downward to adjust the induced effects bias and price-adjusted to reflect current year value based on the approaches used in the 1996 regional impact report (Propst et al. 1998)

² Income per dollar of direct sales. Income includes employee compensation and proprietor and other property income.

³ Jobs per million dollars in direct sales. Jobs are not full-time equivalent. Any full-time and parttime job is counted as one job.

Capture rate is the percentage of visitor spending captured as direct sales within the region.

estimated for the projects). Only trip spending within 30 miles of the projects was included in local economic effect estimates.

National economic effects

National economic effects of CE visitor spending on trips were estimated by applying total trip spending (including both within and outside 30 miles of the projects) to an I-O model of the U.S. economy. A U.S. model was developed using IMPLAN-Pro version 2.0 with a 1997 database. Visitor spending was multiplied by total use to estimate total U.S. spending by CE visitors. The MI-REC system was used to bridge the total spending into the appropriate industrial sectors of the U.S. I-O model (Stynes and Propst 1996; Chang et al. 1998). Total employment, income, and sales due to direct and secondary effects were estimated by IMPLAN.

Two adjustments were made for the estimate of national economic effects. First, visitor spending outside 30 miles estimated for this study was adjusted upward based on the results of a previous study (Propst et al. 1992). This adjustment was necessary due to the low response rates and low sample sizes in certain segments. Total visitor spending outside 30 miles was adjusted upward from \$1,895 million to \$3,775 million. This adjustment was done by multiplying the Propst et al. (1992) results (price-adjusted to 1999) by the ratio of within 30-mile spending between the two surveys. This adjustment increased the estimated total visitor spending for both within and outside 30 miles from \$8,009 to \$9,888 million.

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The national estimates of employment effects were adjusted based on the approach described in Stynes et al. (1998). The need for this adjustment stems from an issue of scale in which local jobs to sales ratios are much higher than the national ratios. Local regions around CE projects averaged 32 direct jobs per million dollars in direct sales, while the United States as a whole averaged 15 jobs per million. This adjustment is based on the facts that direct jobs are created primarily in the local areas around CE projects where the costs of labor are lower, making the ratio of jobs to sales higher.

National job effects estimated in this report were adjusted for this problem. The local models were assumed to yield an accurate estimate of the direct jobs associated with direct local sales to visitors. The revised national estimates of direct job effects were the sum of local direct jobs plus direct jobs from the sales that occurred outside the local areas. That is, the local jobs to sales ratios were applied to sales captured within local regions and the national ratios were applied to sales captured outside local regions. This same approach was also used to adjust the secondary job estimates and national job impact estimates for all trip spending.

3 Results

The results are provided in seven sections. The first section presents response rate data. The second section describes the characteristics of the respondents. Section three provides respondents' recreational use information and spending profiles across all projects. Visitors were grouped into six market segments based on their lodging types and boating activity. Section four reports recreational use information and spending profiles separately for three individual projects. Section five describes the economic effects of visitor spending at the project level, and sections six and seven summarize the economic effects of visitor spending at district, division, and national levels.

Response Rates

A total of 8,101 parties were approached for the onsite surveys. A party was defined as all occupants of a single vehicle. Of these parties, 47 refused to participate and 8,054 completed the onsite surveys. One hundred and twenty-four parties who completed the onsite surveys refused to participate in the mailback surveys, leaving a mailback sampling frame of 7,930 parties. Of the remaining 7,930 parties who agreed to participate in the mailback surveys, 1,650 returned their trip spending questionnaires, yielding a response rate of 21 percent (Table 3). The response rates ranged from 31 percent at Barren River Lake to 7 percent at Murray Lock and Dam.

Because names and addresses were not obtained during the onsite interviews, it was not possible to employ the usual follow-up reminder techniques that typically enhance response rates in sample surveys. Not having names and addresses also prevented checking for nonresponse bias (i.e., the extent to which the spending profiles of those who did not return their mailback questionnaires were different from those who did). The seriousness of the low response rate and its implications in terms of data usefulness are discussed in the limitations section of this report. For now, it is important to note that the sample sizes were sufficient to develop credible spending profiles for the six segments at the national level, which was one of the primary purposes of this study.

Response rates for the six targeted visitor segments are shown in Table 4. These response rates varied significantly from segment to segment. The other overnight/boater segment had the highest response rate at 29 percent, while the day user/nonboater segment had the lowest response rate at 11 percent. In

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Table 3								
Response Rates for I	Mailback S	Surveys b	y Project					
Project Name	Number of Onsite Interviews	Refusals for Mailback Surveys	Number of Mailback Surveys Distributed	Mailbacks Returned	Response Rates, %			
Barren River Lake	587	7	580	182	31			
Bonneville Lock and Dam	200	57	143	14	10			
Center Hill Lake	589	n/a ¹	589	119	20			
Hartwell Lake	238	n/a ¹	238	47	20			
John Martin Dam	799	n/a ¹	799	164	21			
Lake Barkley	528	3	525	117	22			
Lake Okeechobee	497	n/a ¹	497	130	26			
Lake Sonoma	584	0	584	95	16			
Lower Granite Lock and Dam	535	n/a ¹	535	51	10			
Murray Lock and Dam	108	n/a ¹	108	8	7			
Nolin River Lake	264	n/a ¹	264	35	13			
Old Hickory Lock and Dam	505	n/a ¹	505	107	21			
Saylorville Lake	842	27	815	212	26			
Tennessee-Tombigbee Waterway	804	30	774	202	26			
Waco Lake	414	n/a ¹	414	64	15			
Walter F. George Lake	560	n/a ¹	560	103	18			
Total	8,054	124	7,930	1,650	21			
¹ No information on refusals.								

Table 4 Response Rates for Ma	ilback Surveys	by Visitor Se	egment
Project Name	Number of Mailback Surveys Distributed ¹	Mailbacks Returned ¹	Response Rate ¹
Day user/nonboater	1,823	194	11
Day user/boater	1,632	250	15
Camper/nonboater	2,040	468	23
Camper/boater	1,991	436	22
Other overnight user/nonboater	205	38	19
Other overnight user/boater	238	68	29
Total	7,929	1,454	18
1 Includes only surveys for which v	visitor segments were id	lentifiable.	

general, overnight visitors had higher response rates than day visitors, and boaters had higher response rates than nonboaters.

General Characteristics of CE Recreation Visitors

Visitor use and spending information were weighted by the 1999 NRMS visitation data of each segment as provided in Table 1. The general characteristics of CE recreation visitors are shown in Figures 2-7. Sixty-seven percent of the CE visitors lived within 30 miles of the CE projects (Figure 2). When asked

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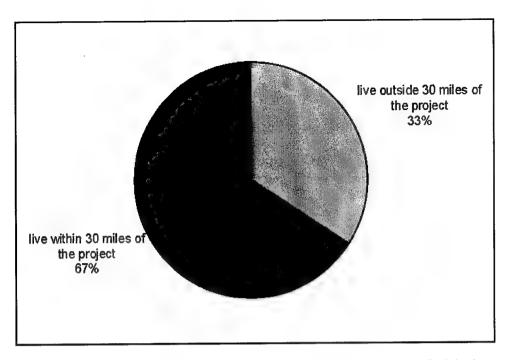


Figure 2. Permanent residence of CE visitors (weighted by the NRMS visitation data), 1999 (n = 7,790)

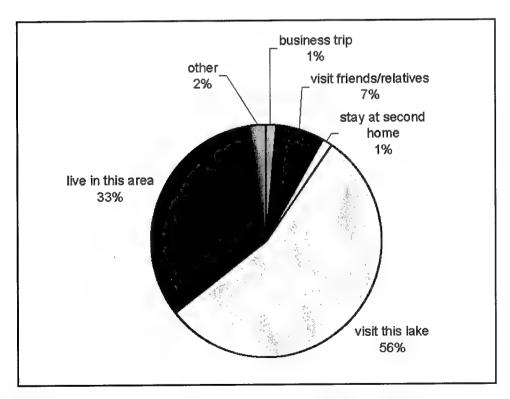


Figure 3. Primary purpose to visit the area where respondents were interviewed (weighted by the NRMS visitation data), 1999 (n = 7,782)

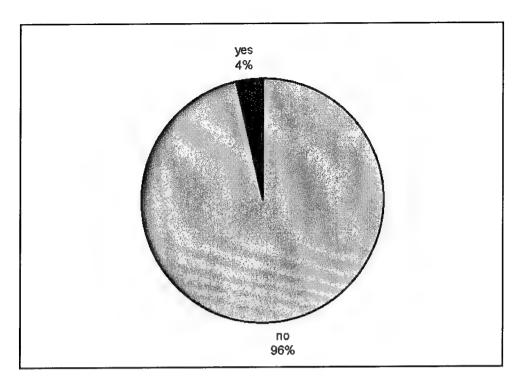


Figure 4. Percentage of CE visitors who stayed overnight within 30 miles of the projects (weighted by the NRMS visitation data), 1999 (n = 7,979)

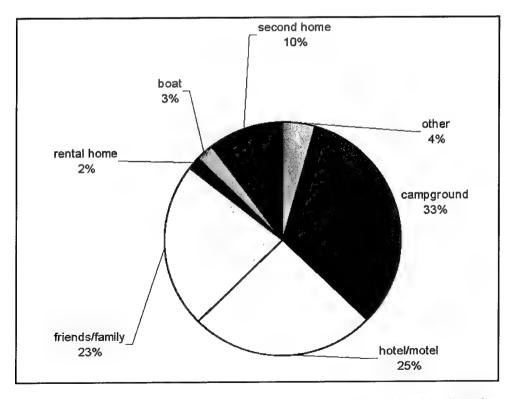


Figure 5. Lodging type for CE visitors who stayed overnight within 30 miles of the projects (weighted by the NRMS visitation data), 1999 (n = 4,256)

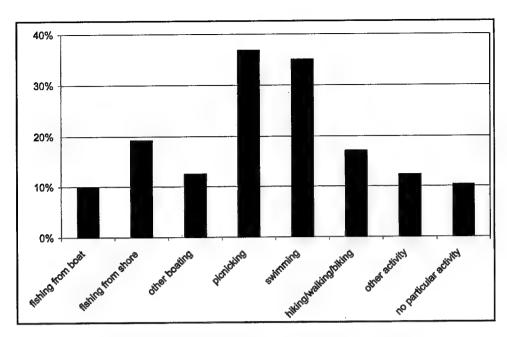


Figure 6. Recreation activities participated in on current trip (weighted by the NRMS visitation data), 1999 (n = 7,840). Note: Camping was excluded from this estimate because it was treated as a type of lodging in the survey

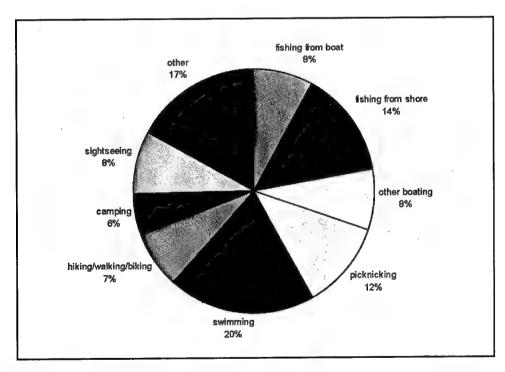


Figure 7. Primary activity participated in on current trip (weighted by the NRMS visitation data), 1999 (n = 7,650)

about why they visited the area where they were surveyed, 56 percent reported that their primary purpose was to visit the given lake. Another 33 percent reported they visited the area because they lived nearby (Figure 3).

In total, only 4 percent of the visitors stayed overnight when visiting CE projects (Figure 4). About 33 percent of the visitors who stayed overnight stayed in campgrounds. Another 25 percent of the overnight visitors stayed in hotels or motels (Figure 5).

Picnicking and swimming were the most frequently participated activities for all CE visitors. About 37 percent of the visitors said they picnicked when they visited the CE projects and 35 percent said they swam (Figure 6). The participation rates for all other activities were between 10 and 20 percent. When asked to identify the primary activity on their trips to the lakes, almost 20 percent of the visitors reported swimming and 12 percent reported picnicking. About 22 percent of the visitors reported either fishing from boat or fishing from shore as their primary activities (Figure 7). Participation in outdoor recreation activities was highly seasonal. Since the surveys were not begun until June, it is not surprising that swimming and picnicking ranked this high. If the surveys had begun in April or earlier, it is likely that fishing may have received a higher ranking (this is particularly true for projects in the South).

Trip Spending and Other Characteristics

Typical CE visitors (i.e., the weighted average of spending profiles for the six segments) in 1999 spent \$15.47 per person trip within 30 miles of the project and \$4.80 outside 30 miles of the project for a total of \$20.26 for the entire trip (Table 5). Of the expenditures made within 30 miles of the project, visitors spent the most on groceries, restaurants, and gas and oil (about \$3 to \$4 per person trip on each category). Spending on these three categories accounted for about 70 percent of the total spending. The overall party size (weighted average) was 2.77 people and the length of stay within 30 miles of the project was slightly more than 1 day (0.14 nights) for all visitors.

On a segment-by-segment basis, the per person trip spending within 30 miles of the project varied from \$12 for day use nonboaters to \$84 for overnight boaters (Table 5). Total trip spending, both within and outside 30 miles, varied from \$15 per person trip for day use nonboaters to \$107 for overnight boaters. In general, boaters spent more than nonboaters, and overnight visitors and campers spent more than day visitors.

The percent errors (standard error divided by mean) for trip spending were about 5 percent for campers and 20 percent for the other overnight visitors. The percent errors for the day user segments (boaters or nonboaters) were about 10 percent. The 95-percent confidence interval for trip spending for each segment is average spending plus and minus two standard errors. Thus, the 95-percent confidence interval for spending within 30 miles of the project for campers who boated was \$58.50 to \$71.50 per person trip (\$65 plus or minus \$6.50). This

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Table 5 Summary of CE Visitor Spending Profil	lor Spe	ndina Pro		g lla) 66	rojects,	es. 1999 (all projects, dollars per person trip, six segments)	oer pers	son trip,	six sedi	ments)			
		Сашрег				Day User	Jser			Other O	Other Overnight		
	ğ	Boater		Nonboater	Bo	Boater	1-	Nonboater	Bo	Boater	Nonb	Nonboater	Weighted
Spending Category	Mean	Error	Mean	rror	Mean	Pct. Error	۱۶	Pct. Error	Mean	Error	Mean	ror	Average ²
					Spending	Spending Within 30 miles	iles						
Hotel, motels, cabins, B&B, and rental homes	0.73	36%	0.11	%69	00:00	-	00:00	ı	17.17	49%	17.79	30%	0.51
Camping fee	13.65	2%	14.12	2%	0.00		0.00		0.10	74%	0.03	100%	0.20
Restaurants, bars, etc.	2.06	10%	8.10	%6	2.35	15%	2.93	21%	12.47	49%	13.97	18%	3.19
Groceries and take out food	18.00	%9	14.66	%9	3.87	%6	3.87	13%	12.98	23%	5.57	27%	4.13
Gas & oil	11.13	2%	7.68	%9	6.14	11%	2.43	12%	13.55	15%	6.52	19%	3,45
Other auto expenses	0.86	38%	1.33	49%	1.50	62%	0.27	%02	5.37	85%	0.00		0.57
Other boat expenses	4.38	20%	0.00	,	1.88	20%	0.00	%0	10.75	36%	00'0	-	0.47
Entertainment and recreation fees	2.06	19%	2.57	15%	0.86	19%	0.46	27%	3.84	36%	1.46	44%	0.61
Sporting goods and boat equipment	4.20	15%	1.33	25%	2.73	33%	0.76	38%	4.37	29%	2.09	29%	1.24
Other expenses	2.95	16%	5.24	18%	0.44	41%	1.17	21%	2.97	39%	1.49	37%	1.09
Total (within 30 miles)	65.03	2%	55.12	2%	19.75	10%	11.89	12%	83.56	23%	48.92	16%	15.47
Total Trip Spending													
Hotel, motels, cabins, B&B, and rental homes	1.20	29%	1:28	38%	0.00	-	0.00		19.61	44%	28.60	41%	0.78
Camping fee	15.05	2%	18.03	%9	0.00	•	0.00		0.19	%98	0.03	100%	0.25
Restaurants, bars, etc.	8.80	10%	12.24	%6	2.76	14%	3.35	20%	16.79	16%	24.09	33%	3.90
Groceries and take out food	24.01	5%	21.11	%9	2.07	%2	4.34	12%	19.23	17%	7.59	23%	4.91
Gas & oil	15.98	2%	15.95	2%	8.16	%6	3.24	10%	19.12	18%	13.94	17%	4.80
Other auto expenses	1.83	41%	2.24	32%	1.56	29%	0.39	21%	5.62	81%	0.00	1	0.69
Other boat expenses.	5.44	16%	00.00	-	2.01	47%	0.00	•	13.24	33%	0.00	1	0.52
Entertainment and recreation	2.39	19%	4.68	18%	0.87	19%	0.56	27%	4.30	33%	2.40	%££	0.74
Sporting goods and boat	5.95	14%	2.31	25%	4.10	24%	0.88	34%	5.59	29%	3.18	46%	1.67
equipment Other expenses	4.22	15%	8.00	14%	0.54	38%	2.31	49%	3.65	33%	2.27	33%	2.02
Total trip spending	84.88	2%	85.84	2%	25.07	%6	15.08	11%	107.34	19%	82.12	79%	20.26
Party size	3.53	2%	2.76	3%	2.78	4%	2.77	4%	3.27	%2	2.47	%2	2.77
Total nights	4.62	4%	5.20	2%	0.00	-	0.00	1	2.90	10%	6.24	19%	0.23
Nights w/in 30 miles	4.25	4%	3.81	2%	0.00	,	0.00		2.42	12%	3.00	20%	0.14
# of cases	422		426		249		193		99		37		1,393
1 Pct Frror = Standard Frror / Mean Two standard err	or / Mean.	Two standard		ors equal 95% confidence interval	dence inten	ley.							

1 Pct. Error = Standard Error / Mean. Two standard errors equal 95% confidence interval. 2 Weighted average of the six segments based on visitation in Table 1.

means that if the study were repeated 100 times, the average spending amount by this segment would fall between \$58.50 and \$71.50 in 95 out of 100 repetitions. This is a respectable error range for visitor expenditure surveys in general and is consistent with the 1989/90 survey results (Propst et al. 1992). The reason why the percent error, and hence the confidence interval, doubles and then quadruples from campers to day users to other overnight visitors, respectfully, is related to sample size. Since the formula for computing sampling error has sample size in the denominator, as sample size decreases, percent error increases. In examining the results in Table 5, sample sizes for the other overnight segments are relatively small and hence the relevant spending profiles are less stable and reliable (i.e., more prone to error) than those of the campers and day users.

Trip Spending and Other Characteristics at the Project Level

Only three projects had sufficient sample sizes to justify the computation of spending profiles from the survey data: Saylorville Lake, Barren River Lake, and John Martin Dam (Tables 6 - 8). Due to the low sample size at the project level, the visitor segments were reduced to three instead of six. The boater and nonboater segments were combined based on percent of boaters reported in the NRMS so there would be more sample in each segment. The three segments were then weighted based on visitation computed in Table 1 to compute the overall averages in the last columns of Tables 6-8. Among these three projects, the lowest weighted average spending for trips within 30 miles of the project was found at Barren River Lake (\$11 per person trip); the highest weighted average spending was at John Martin Dam (\$26 per person trip). Since day users accounted for more than 95 percent of the total visits at all three projects according to the NRMS data, the differences in weighted average spending at these projects were heavily influenced in a downward direction by the day user spending, which is typically much lower than that of campers and other overnight segments. The average spending for day users was \$10 at Barren River Lake, \$17 at Saylorville Lake, and \$25 at John Martin Dam for trips within 30 miles of the project.

The weighted average party size ranged from 2.45 people at John Martin Dam to 2.8 people at Barren River Lake. These numbers are similar to the 16-lake average of 2.77 people (Table 5). The numbers of nights away from home were also similar to the 16-lake average at two out of the three projects. Visitors spent an average of 0.12 nights and 0.14 nights within 30 miles of John Martin Dam and Barren River Lake, respectively, while the overall average for the 16 lakes was 0.14 nights. Visitors spent an average of 0.25 and 0.22 total nights away from home (within and outside 30 miles) on trips to John Martin Dam, respectively, while the overall average for the 16 lakes was 0.23 nights. The nights away from home were higher for Saylorville visitors. The average was 0.19 nights on trips within 30 miles and 0.3 nights in total trip length.

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Table 6 Summary of Visitor Spending Profiles at Saylorville Lake, 1999 (dollars per person trip, three segments¹)

	Cá	amper	Da	y User	Other	Overnight ³	Weighted
Spending Category	Mean	Pct. Error ²	Mean	Pct. Error	Mean	Pct. Error	Average⁴
		Spending V	Within 30 Mi	les			
Hotel, motels, cabins, B&B, and rental homes	0.00	-	0.00	-	15.03	7%	0.43
Camp fee	13.72	11%	0.00	-	0.07	10%	0.38
Restaurants, bars, etc.	6.68	21%	5.85	37%	11.68	23%	6.03
Groceries and take out food	14.71	12%	5.08	23%	5.16	31%	5.35
Gas & oil	7.82	11%	2.25	21%	6.02	18%	2.51
Other auto expenses	0.18	95%	0.16	80%	0.05	10%	0.16
Other boat expenses	0.27	7%	0.10	10%	1.42	14%	0.15
Entertainment and recreation fees	3.74	30%	1.00	60%	1.34	49%	1.08
Sporting goods and boat equipment	1.44	77%	1.58	91%	2.36	14%	1.60
Other expenses	5.01	40%	0.62	57%	1.14	14%	0.75
Total (within 30 miles)	53.57	10%	16.63	20%	44.27	20%	18.43
		Total Tri	ip Spending	j			
Hotel, motels, cabins, B&B, and rental homes	0.67	76%	0.00	-	23.04	7%	0.67
Camp fee	15.93	12%	0.00	-	0.07	10%	0.44
Restaurants, bars, etc.	8.19	19%	5.85	37%	19.66	38%	6.30
Groceries and take out food	18.44	12%	5.26	22%	7.37	26%	5.69
Gas & oil	13.06	19%	2.74	24%	11.84	18%	3.28
Other auto expenses	0.76	77%	0.16	80%	0.05	10%	0.17
Other boat expenses	0.86	8%	0.10	10%	1.42	14%	0.16
Entertainment and recreation fees	4.34	29%	1.00	60%	2.03	40%	1.12
Sporting goods and boat equipment	1.61	79%	1.60	90%	3.17	54%	1.65
Other expenses	6.33	33%	0.71	59%	1.72	14%	0.89
Total trip spending	70.20	11%	17.42	21%	70.37	28%	20.37
Party size	2.80	6%	2.73	10%	2.87	10%	2.73
Total nights	5.28	14%	0.00	-	5.55	19%	0.30
Nights w/in 30 miles	3.99	13%	0.00	-	2.74	21%	0.19
# of cases	106		85		10		201

Boaters and nonboaters were combined based on percent of visitors boating at each project (from 1999 NRMS database).

² Pct. Error = Standard Error / Mean. Two standard errors equal 95% confidence interval.

³ The 16-project average spending for the other overnight nonboater segment was used to compute weighted spending for the other overnight segment. This was done due to low sample size (less than 5) for the other overnight nonboater segment at this project.

Averages are weighted by the number of visits by each of the three segments at this project.

Table 7 Summary of Visitor Spending Profiles at Barren River Lake, 1999 (dollars per person trip, three segments¹)

	Ca	amper	Da	ay User	Other	Overnight ³	Weighted
Spending Category	Mean	Pct. Error ²	Mean	Pct. Error	Mean	Pct. Error	Average⁴
		Spending V	Vithin 30 N	Miles			
Hotel, motels, cabins, B&B, and rental homes	0.22	87%	0.00	-	15.91	36%	0.46
Camp fee	9.69	9%	0.00	-	0.03	87%	0.16
Restaurants, bars, etc.	4.64	22%	2.26	37%	13.57	19%	2.63
Groceries and take out food	8.20	16%	2.65	30%	5.81	28%	2.84
Gas & oil	5.34	15%	2.26	21%	7.16	19%	2.45
Other auto expenses	0.27	69%	1.01	12%	0.29	7%	0.98
Other boat expenses	0.43	5%	0.12	9%	0.21	7%	0.13
Entertainment and recreation fees	1.19	45%	0.70	45%	1.64	42%	0.73
Sporting goods and boat equipment	0.97	46%	0.59	48%	2.28	59%	0.64
Other expenses	1.22	42%	0.19	71%	1.43	41%	0.24
Total (within 30 miles)	32.18	10%	9.77	23%	48.34	17%	11.26
		Total Trip	p Spending	g			
Hotel, motels, cabins, B&B, and rental homes	0.22	87%	0.00	-	25.10	46%	0.72
Camp fee	9.73	9%	0.00	-	0.03	87%	0.17
Restaurants, bars, etc.	5.27	22%	2.62	35%	22.54	32%	3.23
Groceries and take out food	12.03	11%	3.25	28%	8.12	24%	3.54
Gas & oil	9.38	11%	3.38	18%	13.89	18%	3.79
Other auto expenses	0.71	71%	1.07	11%	0.29	7%	1.04
Other boat expenses	0.51	5%	0.12	9%	0.21	7%	0.13
Entertainment and recreation fees	1.33	46%	0.70	45%	2.44	33%	0.76
Sporting goods and boat equipment	0.97	46%	0.87	48%	3.52	50%	0.94
Other expenses	1.39	39%	0.19	71%	2.10	38%	0.26
Total trip spending	41.54	8%	12.19	18%	78.23	25%	14.58
Party size	3.57	8%	2.80	10%	2.53	9%	2.80
Total nights	3.31	11%	0.00	-	5.78	19%	0.22
Nights w/in 30 miles	3.28	11%	0.00	-	2.91	19%	0.14
# of cases	105		51		18		174

Boaters and nonboaters were combined based on percent of visitors boating at each project (from 1999 NRMS database).

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Pct. Error = Standard Error / Mean. Two standard errors equal 95% confidence interval.

The 16-project average spending for the other overnight nonboater segment was used to compute weighted spending for the other overnight segment. This was done due to low sample size (less than 5) for the other overnight nonboater segment at this project.

Averages are weighted by the number of visits by each of the three segments at this project.

Table 8 Summary of Visitor Spending Profiles at John Martin Dam, 1999 (dollars per person trip, three segments¹)

	Ca	amper	Da	y User	Other	Overnight ³	Weighted
Spending Category	Mean	Pct. Error ²	Mean	Pct. Error	Mean	Pct. Error	Average⁴
		Spending V	Vithin 30 M	liles			
Hotel, motels, cabins, B&B, and rental homes	0.05	11%	0.00	-	11.51	47%	0.33
Camp fee	6.27	15%	0.00	-	0.00	-	0.10
Restaurants, bars, etc.	3.47	30%	8.03	71%	9.71	32%	8.00
Groceries and take out food	11.67	18%	7.74	55%	5.36	42%	7.74
Gas & oil	8.62	17%	7.27	35%	7.20	31%	7.29
Other auto expenses	0.04	74%	0.73	89%	0.01	11%	0.70
Other boat expenses	0.11	8%	0.00	-	0.57	11%	0.02
Entertainment and recreation fees	1.25	32%	0.56	96%	1.52	67%	0.60
Sporting goods and boat equipment	0.83	48%	0.09	9%	3.85	96%	0.21
Other expenses	2.57	43%	0.55	63%	0.25	11%	0.57
Total (within 30 miles)	34.89	14%	24.95	48%	39.97	24%	25.54
		Total Tri	p Spendin	g			
Hotel, motels, cabins, B&B, and rental homes	6.82	51%	0.00	-	14.55	40%	0.53
Camp fee	13.67	17%	0.00	-	0.00	_ -	0.22
Restaurants, bars, etc.	14.80	27%	9.69	72%	16.91	32%	9.98
Groceries and take out food	27.20	19%	11.15	42%	10.46	43%	11.39
Gas & oil	31.04	17%	8.39	31%	19.45	30%	9.07
Other auto expenses	1.90	51%	0.73	89%	0.01	11%	0.73
Other boat expenses	0.23	5%	0.00	•	0.57	11%	0.02
Entertainment and recreation fees	6.36	41%	0.57	95%	2.91	57%	0.73
Sporting goods and boat equipment	4.88	61%	0.48	97%	5.32	73%	0.69
Other expenses	11.56	32%	0.55	63%	0.99	92%	0.73
Total trip spending	118.48	17%	31.56	43%	71.17	24%	34.08
Party size	3.00	9%	2.45	22%	2.20	15%	2.45
Total nights	5.84	14%	0.00	-	5.42	35%	0.25
Nights w/in 30 miles	2.93	14%	0.00	-	2.61	19%	0.12
# of cases	109		23		21		153

Boaters and nonboaters were combined based on percent of visitors boating at each project (from 1999 NRMS database).

Averages are weighted by the number of visits by each of the three segments at this project.

² Pct. Error = Standard Error / Mean. Two standard errors equal 95% confidence interval.

³ The 16-project average spending for the other overnight nonboater segment was used to compute weighted spending for the other overnight segment. This was done due to low sample size (less than 5) for the other overnight nonboater segment at this project.

Economic Effects at the Project Level

The project-level estimates of visits, spending, economic effects, and multipliers are reported in Appendix E. Visits were estimated for all 456 projects using the 1998 and 1999 NMRS project-specific data (Table E1). Estimates of economic effects for these projects were based on the spending profiles developed in this study and multipliers generated from 108 I-O models for the regions around each project (Table E5). The spending profiles (within 30 miles only) in Table 5 were applied to visitation at each project to obtain estimates of total spending (Table E2) and economic effects on sales (Table E2), income (Table E3), and jobs (Table E4).

Barren River Lake (in Louisville District) serves to illustrate the interpretation of the findings, as well as the approach. Barren River Lake reported 1.5 million visits in 1999 with camping revenues of \$205,608 (1998 figures). There were 365 CE-managed campsites at Barren River Lake and 99 non-CE-managed campsites. Boaters accounted for 13 percent of the visits. Based on these data from the 1999 and 1998 NRMS databases, Barren River Lake hosted 26,000 camping visits (person trips), 1.45 million day use visits, and 43,000 other overnight visits (Table 9). Based on the camping revenue data used in this report, 1.7 percent of visits to Barren River Lake were by campers, as opposed to the 10-percent figure from the PR_USE database in the NRMS. By multiplying visitor spending for each segment by total number of visits for each segment, total spending for each segment was estimated. In total, recreation visitors to Barren River Lake spent \$22.49 million in the local area in 1999 (Table 9).

Table 9 Visitation and	Spending	at Barren R	iver Lake, '	1999			
Visitation and	С	ampers	Day	y Users	Othe	r Overnight	
Spending	Boater	Nonboater	Boater	Nonboater	Boater	Nonboater	Total
Visits	3,344	22,382	188,421	1,260,971	5,653	37,829	1,518,600
Spending (\$MM)	0.22	1.23	3.72	15.00	0.47	1.85	22.49

Table 10 Economic at Barren			_	ding
Effect	Direct	Indirect	Induced	Total
Sales (\$MM)	14.75	2.66	7.03	24.44
Income (\$MM)	7.65	1.39	3.87	12.90
Jobs ¹	470	39	123	632
1 Not full-time counted as on		. Any full-time	e and part-t	ime job is

Barren River Lake is illustrative of projects where primary spending data were collected (Table 7) and project-specific multipliers were estimated for the surrounding region using an I-O model. The multipliers for Barren River Lake are reported in Appendix Table E5. Sixty-four percent of the \$22.49 million in visitor spending was captured as direct sales by the local economy -- \$14.75 million in sales (Table 10). These direct sales

accounted for another \$2.66 million in indirect sales and \$7.03 million in induced sales for a total sales effect of \$24.44 million.

Income and employment effects for Barren River Lake are interpreted similarly. Visitor spending accounted for \$7.65 million in income and 470 jobs in businesses directly serving visitors (Table 10). Another \$1.39 million in income and 39 jobs were associated with backward-linked industries through indirect effects. Total effects including direct, indirect, and induced effects of the \$22.49 million visitor in spending were \$24.44 million in sales, \$12.90 million in income, and 632 jobs in the local region.

Economic Effects at District and Division Levels

The availability of visitation, spending, and economic impact estimates for all 456 CE projects makes it a simple task to generate economic effects for CE districts and divisions. Division and district totals are reported in Table 11. It should be noted that these are simply aggregations of the local impacts of individual projects in each district or division. The findings do not therefore cover all impacts on the larger region, but only the sum of the impacts on local areas around projects in a given district or division. A complete estimate of impacts for the larger regions would need to include visitor spending outside local areas surrounding each project and should employ multipliers for the larger region. However, to estimate multipliers at district and division levels is beyond the scope of this project and requires additional data that were not available for this study.

Approximately half of the income and employment effects occurred in two of the Corps' eight divisions: Great Lakes and Ohio River, and Southwestern. Fifty-five percent of these effects occurred in seven of the Corps' 31 districts. Comparisons of the relative impacts of projects in each district or division should take into account the demographic and economic characteristics of the regions. For example, a thousand jobs in a district with relatively low population and economic activity has a much greater relative impact than a thousand jobs in a heavily populated, economically diverse district. District and division personnel may find these comparisons useful, especially when compared with the economic effects of other industries (e.g., agriculture or manufacturing). However, since the estimates at district and division levels do not cover all impacts on the larger region (i.e., they are only the sum of the impacts on local areas around projects), recreation impacts may be underestimated when compared with other industries' impacts at the district and division level.

National Economic Effects

Aggregation of local effects

The aggregation may be taken one step further to the national level, with the same caveats as above. Summing visitor spending at all 456 projects (Table E2) yielded a total of \$6 billion in trip-related expenditures associated with recreational use of CE projects in 1999 (Table 12). These were trip expenditures

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Table 11 Summary Results for All CE Districts, 1	sults for All	CE Distri	cts, 1999								
		Visits i	Visits in Person Trips (1,000's)	(1,000's)	Total ¹	Sales	Sales Effects ¹	Income Effects ¹	Effects ¹	Job E	Job Effects²
Division	District	Camper	Day User3	Total	Spending	Direct	Total	Direct	Total	Direct	Total
Great Lakes and	Detroit	0	1,885	1,885	25	16	27	8	14	515	692
Onio River (LRD)	Huntington	364	29,990	30,354	433	282	470	147	249	9,154	12,321
	Louisville	779	27,938	28,717	433	279	454	145	238	9,158	12,134
	Nashville	273	40,826	41,098	631	403	661	204	341	12,911	17,341
	Pittsburgh	107	6,682	6,789	105	69	117	36	62	2,187	2,968
	Subtotal	1,523	107,321	108,844	1,627	1,050	1,728	540	904	33,924	45,456
Mississippi Valley	Rock Island	186	19,188	19,374	282	185	307	95	161	5,950	7,995
(MAD)	St. Louis	234	15,812	16,045	259	166	265	. 81	133	5,547	7,254
	St. Paul	77	9,822	868'6	180	117	205	61	109	3,837	5,317
	Vicksburg	167	10,761	10,928	173	110	174	55	68	3,763	4,932
	Subtotal	663	55,583	56,246	895	278	952	292	492	19,097	25,497
North Atlantic	Baltimore	88	2,322	2,411	41	27	44	14	23	860	1,154
(NAD)	New England	50	6,978	7,028	26	63	105	33	55	2,019	2,713
	Norfolk	0	328	328	5	3	5	2	8	102	137
	Philadelphia	0	1480	1,480	25	16	27	8	14	515	693
	Subtotal	138	11,108	11,246	167	110	181	22	96	3,496	4,698
Northwestern	Kansas City	342	11,719	12,061	204	134	222	70	117	4,276	5,747
	Omaha	220	13,509	13,729	207	132	213	89	112	4,347	5,721
	Portland	51	9,872	9,923	150	98	163	51	98	3,135	4,211
	Seattle	15	2,953	2,968	45	30	49	15	26	944	1,269
	Walla Walla	44	7,141	7,185	105	69	117	36	62	2,206	3,003
	Subtotal	672	45,194	45,866	712	463	765	241	404	14,909	19,951
			a de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición de la composición dela composición de la composición dela c								(Continued)

¹ In millions. ² Number of jobs. Includes full-time and part-time jobs. ³ Includes other overnight visits as reported in NRMS database.

Table 11 (Concluded)	ncluded)										
		Visits in	Visits in Person Trips (Trips (1,000's)	Total	Sales	Sales Effects	Income	Income Effects	Job Effects	ffects
Division	District	Camper	73	Total	Spending	Direct	Total	Direct	Total	Direct	Total
Pacific Ocean	Alaska	5	134	140	2	1	2	1	1	44	59
(POD)	Subtotal	2	134	140	2	1	2	1	1	44	59
South Atlantic	Jacksonville	135	7,188	7323	118	2.2	128	40	89	2,467	3,315
(SAD)	Mobile	403	35,766	36,169	597	386	624	206	336	11,404	15,264
	Savannah	242	17,992	18,234	287	189	313	86	166	5,825	7,874
	Wilmington	146	6,108	6,254	102	63	86	32	51	2,139	2,737
	Subtotal	925	67,054	62,979	1,103	715	1,163	376	621	21,835	29,191
South Pacific	Albuquerque	26	1,048	1,073	16	11	17	5	6	335	451
(SPD)	Los Angeles	17	7,765	7,782	103	80	141	43	77	1,769	2,543
	Sacramento	48	2,243	2,291	38	24	40	13	22	725	980
	San Francisco	28	1,106	1,134	18	12	19	9	10	363	487
	Subtotal	119	12,161	12,280	175	126	218	29	119	3,192	4,461
Southwestern	Fort Worth	524	26,344	26,868	421	288	478	155	261	8,415	11,388
(SWD)	Galveston	0	2,543	2,543	33	25	40	13	22	627	846
	Little Rock	368	29,209	29,577	469	305	537	157	281	10,308	14,522
<u> </u>	Tulsa	538	23,376	23,914	357	251	418	125	215	7,533	10,290
	Subtotal	1,430	81,471	82,901	1,281	898	1,473	451	779	26,883	37,046
All CE Projects Total		5,476	380,026	385,501	5,962	3,912.	6,481	2,024	3,416	123,380	166,358

Table 12									
Summary	of Total (CE Visits ar	d Trip	Spending	Within 3	0 Miles	of 456	Projects,	1999

		amper	Day	/ User	Other	Overnight	
Visitation and Spending	Boat	Nonboat	Boat	Nonboat	Boat	Nonboat	Total
Visits (Person Trips, MM) ¹	1.2	4.3	80.8	288.1	2.4	8.6	385.5
Percent of Total	0.3%	1.1%	21.0%	74.7%	0.6%	2.2%	100%
Total Spending in Local Regions (within 30 miles, \$MM) ²	76	237	1,597	3,426	203	423	5,962
Percent of Total	1.3%	4.0%	26.8%	57.5%	3.4%	7.1%	100%

¹ From Table 1.

Total Spending = Average spending per person trip (from Table 5) x Visits in person trips.

within 30 miles of CE projects and not total trip expenses. Day users accounted for 84 percent of this total spending. Other overnight visitors accounted for 11 percent of total spending as compared to 5 percent for campers. Boaters accounted for 22 percent of visits on CE projects and 31 percent of all spending.

In 1999, the \$6 billion in visitor spending associated with the CE recreation program resulted in direct effects of approximately \$3.9 billion in sales, \$2 billion in income, and 123,000 jobs within the counties around CE projects (Table 13). When secondary effects were considered, the local economic effects of CE visitor spending totaled \$6.5 billion in sales, \$3.4 billion in income, and 166,000 jobs. It is important to recall that these effects were the result of spending by CE visitors locally (within 30 miles of projects' borders) and employed local area multipliers, not national ones. Total effects represented slightly more than 0.1 percent of total U.S. jobs and 0.05 percent of total U.S. income. In terms of secondary impacts, induced effects dominated indirect effects by about 3 to 1. This reflects the labor-intensive nature of the tourism industry.

Table 13
Economic Effects of Recreation Visitor Local Trip Spending on 456 CE Projects, 1999

Effect	Sales (\$MM)	Income (\$MM)	Jobs (number of jobs) ²
Direct	3,912	2,024	123,380
Indirect	706	369	10,217
Induced	1,864	1,022	32,762
Total Effects	6,481	3,416	166,358

^{1.} Impacts on counties within 30 miles of CE projects of visitor trip spending within 30 miles of the projects. The total trip spending was \$5,962 million.

2. Includes full-time and part-time jobs.

Use of national I-O model

The economic effects of CE visitor spending on the U.S. economy were also determined by applying total spending to a U.S. I-O model. Total trip spending for all CE visitors in the United States was estimated by applying average person

trip spending to the total number of person trips for each segment in Table 1. Trip spending for the entire trip (both within and outside 30 miles) was used to estimate the economic effects of CE visitors' trip spending on the U.S. economy. The estimated trip spending for all CE visitors in the United States in 1999 was \$7.8 billion from the survey. For reasons previously explained in Chapter 2, this figure was adjusted upward to \$9.6 billion.

Ninety-two percent of CE visitor spending was captured by the national economy, 8 percent went to foreign imports, which resulted in a direct sales effect of \$8.9 billion (Table 14). This spending also resulted in \$3.9 billion in direct income and supported about 200,000 direct jobs. When secondary effects were considered, the national economic effects of CE visitor spending totaled \$10.6 billion in income and about 350,000 jobs. Total effects from total trip spending represented slightly more than 0.2 percent of total U.S. jobs and 0.15 percent of total U.S. income. It is important to distinguish these results (U.S. model, or "top-down" approach) from the aggregation of local effects (local models, or "bottom-up" approach). The top-down effects were the results of total trip spending by CE visitors (both within and outside 30 miles of projects' borders) and employed national multipliers. These effects were much higher than the aggregation of local effects because of the higher capture rate (most of the spending was captured by the U.S. economy) and higher multipliers.

Table 14					
Economic	Effects of	CE Visitor	· Total Trip	Spending	on the
U.S. Econo	200 mv. 1				

O.O. Econon	iy, 1000		
Effect	Sales (\$MM)	Income (\$MM)	Jobs (number of jobs) ²
Direct	8,909	3,866	199,192
Indirect	6,662	3,197	60,458
Induced	6,673	3,548	87,201
Total Effects	22,244	10,610	346,851

¹ Impacts of total trip spending both within and outside 30 miles of the projects. Because of low response rates and low sample sizes on some segments, the total trip spending was modified upward from the survey estimate of \$7,810 million to \$9,644 million. This modification was done by comparing visitor spending outside 30 miles estimated from this study to the 1989/1990 survey (Propst et al. 1992).
² Includes full-time and part-time jobs.

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4 Limitations

The major limitation of this study is the uncertainty about representativeness of the sample due to the low response rates to the mailback portion of the survey. The low response rates resulted from a combination of factors: the inability to send follow-up reminders and the use of project personnel to make visitor contacts and distribute the survey instruments. Sending two follow-up reminders, as typically recommended in survey research, normally doubles the response rate in visitor expenditure surveys (Dillman 1978), but increases the cost and requires visitors to provide their names and addresses. Even though project personnel were trained and the research personnel at MSU were available to answer questions, it is not possible to know the extent to which procedures and instructions were followed. Even under the best of circumstances, visitors may respond differently to government employees distributing questionnaires than to trained interviewers who are under government contract.

Having noted this important limitation, we still feel that eight of the twelve national spending profiles in Table 5 are representative and reliable enough to be used to estimate economic effects and for other purposes. We say this with some confidence because we were fortunate to have the results of a similar study conducted 10 years earlier. In this study (Propst et al. 1992), a similar methodology was followed with two major exceptions: two follow-up reminders were sent and a small number of trained, university graduate student researchers distributed the surveys. In the earlier study, the response rates were 60 to 80 percent, much higher than in the current study. By price-adjusting and then comparing the results of this study with those of Propst et al. (1992), Chang and Propst (2000) were able to conclude that there were no significant differences between the spending profiles for the camper and the day user segments (boaters and nonboaters, both within 30 miles, and for total trip spending) between the two studies. This provides a good deal of confidence in using the figures from the 1999 survey for these segments and referring to the data as "nationally representative." The same cannot be said about the other overnight segments, for which there were fairly major differences between the two studies. For this reason, we recommend using the price-adjusted profiles from Propst et al. (1992) rather than from this study for the four other overnight segments.

A second limitation was related to the timing of the beginning of the survey. The availability of funding for the study necessitated beginning the surveys in June. However, half of the sampled projects were located in the southern tier of states where the recreation season, particularly as related to fishing, begins much earlier (February - April). This is the time during which fishing tournaments are

typically held. According to project managers, these fishing tournaments attract anglers who spend a great deal of money in the local area. Thus, it is not clear how much our spending figures for the camping, day use, and other overnight segments were affected by not surveying this category of visitor more completely. Since the NRMS reports annual, not seasonal, visitation, the use estimates should be inclusive of the early season anglers and other visitor types. To check the accuracy of the spending profiles, the results from this study may be compared to the 1996 National Survey and Fishing, Hunting, and Wildlife-Related Recreation (U.S. Department of the Interior 1997), which is funded by the Fish and Wildlife Service of the U.S. Department of the Interior and Bureau of the Census of the U.S. Department of Commerce. Among other things, this survey reports angler expenditure data by state.

The third limitation is the use of the old IMPLAN Type III multipliers. The Type III multipliers used in this and the previous reports were adjusted downward to correct for a bias in the IMPLAN DOS version multiplier procedures. However, even with the adjustment, we found that the downwardly adjusted Type III multipliers are still 10 to 20 percent higher than the Type SAM multipliers. Type SAM multipliers are calculated by the latest version of IMPLAN-Pro and are thought to be more accurate in reflecting induced effects in outdoor recreation and tourism applications (Stynes et al. 2000). We did not use Type SAM multipliers in this report for project-level impact estimates because we wanted to be able to compare the economic effects in this report with comparable data in previous reports (e.g., Propst et al. 1998).

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5 Applications and Recommendations

The economic effects estimated in this report may be used to assess the CE recreation program at the project, district, or division level. There are two basic applications, discussed below, that can be handled by utilizing the findings in this report.

Estimating Economic Effects of CE Visitor Spending in a Given Year

In this report, the economic effects of CE visitor spending in 1999 were estimated for each project, district, division, and the nation as a whole. CE managers may compute economic effects for any given year by using the following equation:

Economic Effects = Average Spending per Visit × Total Annual Visits × Capture Rate × Regional Economic Multipliers

Managers should obtain updated NRMS visitation data (no conversion necessary since the spending data reported is in person trips), price inflate the spending data to the year of study, and apply the total spending to local capture rates and regional multipliers (assume capture rates and multipliers will not change too much over time). For a simplified approach on conducting economic impact analysis for CE projects, refer to the worksheet provided in Appendix A of Propst et al. (1998). For the range of multipliers and to download an Excel spreadsheet for the computation of economic impacts at multicounty level, visit the web page of Dr. Daniel Stynes, MSU, at http://www.msu.edu/user/stynes/usace ("CE Project Recreation Economic Impact Calculator"). Managers can also refer to the classification table (Appendix A) developed by Becker (1997) to choose multipliers by matching similar projects where multipliers have been computed.

Evaluating the Economic Impacts of a Proposed Action or Management Alternative

Evaluation of alternatives is another important feature of economic impact analysis. In this case, managers must define the action or alternative to be

evaluated and estimate the change in visitors and spending due to the action. For example, project managers and planners may conduct "what if" analysis by using the segmented spending profiles and regional multipliers reported in this study. Questions like "what if the percent of day use boaters increases from 20 to 40 percent at this project?" or "what if a new hotel is open on the lake (more overnight users)?" can be answered by applying the segmented spending profiles to the proposed change in visits.

This study interviewed about 8,000 visitors at 16 CE recreation project across the nation to collect recreation use information. More than 1,600 mailback questionnaires were returned from these visitors, and the results were used to estimate visitor trip spending. Total CE recreation visitation was estimated by using information gathered from this study and from the NRMS database. Economic multipliers were computed for the nation by using an I-O model, and the project-level multipliers were modified from a previous study. Economic effects of CE visitor spending were estimated by applying visitor spending and use data to regional economic multipliers. The analysis and findings in this report suggest a number of ways to improve future studies of this kind:

- a. Future studies like these should employ follow-up reminders (at least two) and use trained interviewers rather than project staff to distribute the surveys and instruct visitors. In comparing this survey with the survey conducted in 1989, it was concluded that the low response rate of this study was largely due to the lack of follow-ups. By employing follow-up reminders, the response rate may more than double and thus provide adequate sample sizes for individual projects and all visitor segments (resident and nonresident). Also, the use of trained interviewers instead of CE staff to distribute questionnaires will provide more control in survey quality since continuity among projects and surveys will result from trained staff with only one job.
- b. Future recreation use surveys could be modified to include variables useful for economic impact analysis. Information such as percent of residents vs. nonresidents, conversion variables for switching between different units (party trips to person days, etc.), and percent of CE visitors who stay overnight off premise can be gathered via other use surveys that the CE may conduct regularly or irregularly. With this information, the visitation estimates from the NRMS can be fine-tuned to better fit any future economic impact analysis.
- c. Newer IMPLAN databases should be obtained for updating regional economic multipliers. Currently, all the regional economic multipliers at the project level were estimated using the 1990 database. Although the errors due to multipliers are more likely to be the smallest compared to other components in an economic impact analysis (i.e., spending, visits, etc.), it will be very difficult to verify if the multipliers are still suitable for the region after more than 10 years. Also, the old database cannot be used in the current IMPLAN model (IMPLAN-Pro 2.0, Windows version) and thus cannot be used to compute the Type SAM multipliers. It is not necessary to obtain new IMPLAN databases and compute multipliers every year since multipliers typically do not change much over time (3 to 5 years). However, new databases should be obtained at least

every 5 years so the change in regional economies (i.e., new industries, shift in business types and linkages, population change) can be reflected in the multipliers.

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Appendix A Classification of Corps of Engineers Projects

Classificati	Classification of Corps of Engineers Pro	ers Projects				
	High Retail Establishments (1.350 +)		High Retail Establishments (1,350 +)	1,350 +)	Low Retail Establishments (under 1,350)	nts (under 1,350)
Multiplier	/High Population (500,000 +)		/Low Population (under 500,000)	000)	/Low Population (under 500,000)	500,000)
High Sales	I J. Percy Priest, TN	Saylorville, IA	II Willamette, OR		III Oahe, SD	Lake Sharpe, SD
Multiplier	Canyon Lake, TX	Sepulveda Dam, CA	Barkley, KY		Ouachita, AR	Norfork, AR
(1.75+)	Cheatham, TN	Shenango, PA	Beaver, AR		Bull Shoals, AR	Pomme de Terre, MO
	David D. Terry, AR	Smithville Lake, MO	Bluestone, WV		Englebright, CA	Waco Lake, TX
	Hansen Dam, CA	Whittier Narrows, CA	Stockton Lake, MO			
	Pine Flat, CA	W. H. Harsha, KY	Table Rock, AR			
		(N = 12)	Whitney, TX	(N = 7)		(N = 8)
Medium	IV Addicks, TX	Grapevine Lake, TX	V McNary, OR	Murray, AR	VI Cumberland, KY	Laurel River, KY
Sales	Alum Creek, OH	Hartwell Lake, GA	Raystown, PA	Success, CA	Mendocino, CA	Lower Granite, WA
Multiplier	Blue Marsh, PA	J Strom Thurmond, SC	Shelbyville, KY		Milford, KS	Mark Twain, MO
(1.58 - 1.74)	Bonneville, OR	Joe Pool Lake, TX	Cecil M. Harden, IN		Barren River, KY	Millwood, AR
	Chatfleid, CO	Keystone Lake, OK	Center Hill, TN		Belton Lake, TX	New Hogan, CA
	Cherry Creek, CO	Lewisville Lake, TX	John H. Kerr, NC		Black Butte, CA	Rathbun Lake, IA
	Deer Creek, OH	Oologah Lake, OK	Kaweah, CA		Cordell Hull, TN	Sam Rayburn, TX
			Lake O' The Pines, TX		Dardanelle, AR	Somerville, TX
			Nolin River, KY		Degray, AR	Summersville, WV
			Senecaville, OH		Eufaula Lake, OK	Tenkiller, OK
			Texoma Lake, TX		Fort Gibson, OK	Wappapello, MO
			West Point, AL		Greers Ferry, AR	Wright Patman, TX
		(N = 14)		(N = 14)	H. Truman, MO	(N = 25)
Low Sales	VII Sidney Lanier, GA		VIII Monroe, IN		IX Dworshak, ID	Lake Celilo, WA
Multiplier	Allatoona Lake, GA		Rend Lake, IL		Arkabuta, MS	Lake Seminole, FL
(under 1.57)	B Everett Jordon, NC		W. Kerr Scott, NC		Blue Mountain, AR	Lake Umatilla, OR
	Falls Lake, NC		Woodruff, AL		Canton, OK	Lewis and Clark, SD
	Lavon Lake, TX				Carlyle, IL	Nimrod, AR
					Dale Hollow, TN	Philpott Lake, VA
					Dannelly, AL	Rough River, KY
					Eastman, CA	Sardis Lake, MS
					Grenada Lake, MS	Walter F. George, AL
		(N = 5)		(N = 4)	Hensley, CA	(N = 19)
Source: "Class	Source: "Classification of Corps of Engineers Projects for	Projects for Economic Impact A	Economic Impact Assessment" (Becker 1997).			
Note: All Type I	Note: All Tyne III multipliers were modified downward to ad	nward to adjust the induced eff	liust the induced effects bias (Propst et al. 1998).			
1,000 m 1,700						

Appendix B Onsite Survey Questionnaire

U.S. ARMY CORPS OF ENGINEERS RECREATION VISITOR SURVEY

1.	Including yourself, how many persons are in your vehicle today?
2.	How many miles (one-way) did you travel from your home to this lake?
3.	What is your primary purpose to visit this area? (check one) 1. [] Business trip
4.	Have you spent or do you plan to spend any nights away from your home while on this trip?
	Proceed to question 4.a 4.e. How many hours will you spend in total at this lake today? Proceed to question 5.
	4.a. How many nights will you spend away from your home on this trip?
	4.b. How many of these nights will you spend within 30 miles of the lake?
	4.c. What type of lodging are you using in the local area? (check one) [] Campground [] Hotel/motel/lodge/cabin [] Home of friends/family [] Second home
	4.d. Is this lodging: (check one) [] ON Corps' property [] OFF Corps' property
5.	What recreation activities have the people in your vehicle participated in, or plan to participate in, while on this trip to the lake? (check all that apply) 1. [] Fishing from boat
6.	What is your primary recreation activity on this trip to the lake?
7.	What is the ZIP code of your permanent home?
	ease return this questionnaire to your CE manager/staff. Thank you for your participation and
	FILLED OUT BY CE MANAGER/STAFF ONLY ID#: Record time distributed AM/PM Project DATE: / Recreation Area Name MM DD
-	

Appendix C Mailback Survey Questionnaire

U.S. ARMY CORPS OF ENGINEERS RECREATION EXPENDITURE SURVEY

INSTRUCTIONS

Please fill in the blanks below for spending on <u>your party's recent trip</u> to the CE Lake. The amounts in COLUMN A and B should add up to the total amount of money your party spent for that item.

EXAMPLE

Let's say the people in your vehicle spent \$52 at hotels within 30 miles of the lake and spent zero on lodging anywhere else. You would enter \$52 in COLUMN A and "0" in COLUMN B for this item. In addition, your group spent \$60 at restaurants during the trip, of which \$22 was spent within 30 miles of the lake, you would enter \$22 in COLUMN A and \$38 in COLUMN B for this item.

COLUMN B for this item.

within 30 miles
(Column A)

1. Hotels, motels, cabins, B&B, rental homes

2. Restaurants, bars, and other eating and drinking places

within 30 miles
(Column B)

\$ 0

Please enter 0 if you spent nothing:
DON'T LEAVE
BLANKS!

The guestions that follow are b	ased on		ID # : <u>«ID»</u>	
your recent recreation trip to th	with the state of the state of the state of	iere you were intervi	awad an	
<u>«PROJ NAME»</u> Project		iele you were litter vi	ewed on	
		that time there were		n your vehicle.
Recreation Area Name	Re	cord expenses for th	ese people only.	

	Spending within 30 miles of the lake (Column A)	Spending beyond 30 miles (Column B)
ODGING	(**************************************	
I. Hotels, motels, cabins, B&B, rental homes	\$	\$
. Campground fees (including hookups)	\$	\$
OOD AND BEVERAGES		
I. Restaurants, bars, and other eating and drinking places	\$	\$
. Groceries, and take out food including alcohol and tobacco	\$	\$
TRANSPORTATION		
I. Gas and oll for auto, boat, RV, etc.	\$	\$
2. Other auto expenses (repairs, parking, tolls, etc.)	\$	\$
3. Other boat expenses (repairs, rentals, slip fees, etc., excluding equipment)	\$	\$
RECREATION		•
Attractions, entertainment, and recreation fees (including day use fees at Corps of Engineers day use areas)	\$	\$
2. Sporting goods and boat equipment	\$	\$
OTHER EXPENSES (clothing, souvenirs, maps, books, etc.)	\$	\$
After recording your expenses, please answer these two ques		
 In total, how many nights did you spend away from home on this 	s trip?nights	
How many nights did you spend within 30 miles of the lake when	re you were interviewed? _	nights

You can peel off this yellow sticker and seal this form (optional) before you drop it into a mailbox.

No need to add postage. THANK YOU FOR YOUR HELP

C3

Appendix D Data Editing and Cleaning

Data Editing and Cleaning

Rules and variable definitions:

- 1. Resident: based on miles traveled from home. 0-29 miles = resident; 30 and more miles = nonresident.
- 2. Overnight users: visitors who spent nights away from home.
- 3. Camper: respondents who answered camping as the type of lodging in question 4, or mentioned camping in question 5 or 6 in the onsite survey were coded as campers.
- 4. Other overnight visitors: visitors spent over night other than campers.
- 5. Party size: based on onsite survey. If no data available from the onsite survey, information from the mailback survey was used.
- 6. Nights away from home: based on mailback surveys. If no data available from the onsite survey, information from the mailback survey was used.
- 7. Boater: respondents who checked boating in question 5, or mentioned any boating activities in question 5 or 6 in the onsite survey were coded as boaters.

Re-coded cases:

- 1. Anyone who spent money on boating categories was coded as a boater.
- 2. Overnight visitors who only spent money on camping but did not spend money on other types of lodging were re-coded as campers.
- 3. Overnight visitors who spent money on both camping and other lodging types were examined and coded on a case-by-case basis.
- 4. Overnight visitors who returned mailback surveys but were unable to be matched with onsite surveys (i.e., no ID numbers on the mailbacks) were coded as campers if they spent money on camping; otherwise coded as other overnight users.
- 5. The spending on lodging was zeroed out if the respondent was identified as day user.

Filtered cases:

Fifty-seven cases were eliminated from final analysis due to one or both of the following situations:

- 1. Visitors who stayed for more than 30 days were excluded from the analysis since they would have an upward bias to the average per trip spending.
- 2. Cases were excluded when the reported party sizes were more than 12 people. This was done to eliminate the group tours that would distort the average per party spending.

Detection of outliers:

- 1. Survey responses were examined on a case-by-case basis for any single entry of spending that was more than \$500 for any item. The corresponding per-day and per-person expenses were reviewed so large spending figures were not categorized as outliers simply because the visitors stayed longer in the region.
- 2. Ten spending entries were identified as outliers: one reported \$500 on hotel expense for one night for a party of two; two others reported more than \$60 per night of camping fees at Corps campgrounds for groups of two and three people; three visitors reported \$3,100 on groceries for 1 day (company picnic expenses); four visitors reported spending more than \$2,000 on sporting goods (\$2,000, \$15,000, \$33,000, and \$35,000).

Appendix E Summary Results for all Corps of Engineers Projects

Table E1 Visits bv	Seaments for A	Table E1 Visits by Segments for All CE Projects in 1999 (in person trips, 1,000's) (Continued)	0's) (Continu	ed)			
			Ca	Campers	Day User	Day Users (inc. OVN)	
Division	District	Project	Boater	Nonboater	Boater	Nonboater	Total
LRD	Detroit	Duluth-Superior Harbor	0.00	0.00	00.00	1,079.20	1,079.20
		Keweenaw Waterway	0.00	0.00	17.42	156.78	174.20
		St. Marys River	0.00	0.00	0.00	618.80	618.80
		Sturgeon Bay and Lake Michigan Ship Canal	0.00	0.00	0.00	13.20	13.20
	Huntington	# Alum Creek Lake	1.22	14.03	226.99	2,610.36	2,852.60
_	•	Atwood Lake	3.43	30.90	124.67	1,121.99	1,280.99
		Beach City Lake	0.00	0.00	0.55	54.47	55.02
		Beech Fork Lake	2.72	14.26	118.06	619.83	754.87
		Belleville Locks and Dam <ohio r=""></ohio>	0.00	0.00	152.05	692.65	844.70
		# Bluestone Lake	1.99	37.84	70.50	1,339.47	1,449.80
		Bolivar Dam	0.00	00.00	0.00	223.25	223.25
		Burnsville Lake	1.46	19.37	32.54	432.25	485.62
		Capt Anthony Meldahl Locks and Dam <ohio r=""></ohio>	0.00	0.00	230.10	446.67	676.78
		Charles Mill Lake	0.86	42.21	15.52	760.32	818.91
		Clendening Lake	0.00	0.00	32.14	168.72	200.86
		# Deer Creek Lake	0.11	11.05	40.19	3,979.24	4,030.60
		Delaware Lake	1.40	18.60	57.44	763.16	840.60
		Dewey Lake	0.02	0.38	35.24	845.67	881.30
		Dillon Lake	0.11	11.09	14.05	1,391.21	1,416.46
···		Dover Dam	0.00	0.00	2.01	199.19	201.20
		East Lynn Lake	0.77	6.22	33.88	274.13	315.00
		Fishtrap Lake	0.01	0.34	34.38	825.04	859.77
		Grayson Lake	0.30	4.63	39.86	624.51	669.30
		Greenup Locks and Dam <ohio r=""></ohio>	0.00	0.00	553.70	1,355.60	1,909.30
-		John W Flannagan Dam and Reservoir	0.15	1.39	42.03	378.27	421.85
		Leesville Lake	1.22	5.18	30.59	130.40	167.39
		London Locks and Dam <kanawha river=""></kanawha>	0.00	0.00	00.00	1.00	1.00
		Marmet Locks and Dam <kanawha river=""></kanawha>	00.00	0.00	00:00	68.20	68.20
							(Sheet 1 of 15)

Includes other overnight visits.
 Notes: LRD = Great Lakes and Ohio River, MVD = Mississippi Valley; NAD = North Atlantic; NWD = Northwestern; POD = Pacific Ocean; SAD = South Atlantic; SPD = South Pacific; SWD = Southwestern.
 Projects where surveys were conducted to create the spending profiles for this study.
 Projects where the IMPLAN economic impact models have been built (Becker 1997).

Huntington (cont) Mohisawk Dam	ומטוכ ביו (ססוונווומכת)	ופתו						
Mohicanville Dam 0.02 0.11 Mohicanville Dam 0.00 0.00 North Fork of Pound River Lake 0.01 0.00 North Fork of Pound River Lake 0.00 0.00 Paint Creek Lake 0.00 0.00 Piedmont Lake 0.00 0.00 Pledmont Lake 0.00 0.00 Racine Locks and Dam -Chio R> 0.00 0.00 Racine Locks and Dam -Chio R> 0.00 0.00 Racine Locks and Dam -Chio R> 0.00 0.00 # Summersville Lake 3.35 2.15 Sutton Lake 3.55 2.0.12 Tappan Lake 0.00 0.00 Willing Lock and Dam -Kanawha River> 0.00 0.00 Willing Creek Lake 0.00 0.00 Willing Creek Lake 0.00 0.00 Willing Creek Lake 2.66 16.63 Buckrinn Lake 2.04 1.74 Buckrinn Lake 0.00 0.00 Care Run Lake 0.00 0.00 Care Run			Project		mpers Nonboater	Day User Boater	Day Users (inc. OVN)	Total
Mohicanville Dam 0.00 North Branch Kokosing River Lake 0.01 North Fork of Pound River Lake 0.00 Paint Creek Lake 0.00 Piedmont Lake 0.00 Piedmont Lake 0.00 Robert C. Byrd Locks and Dam <ohio r=""> 0.00 Robert C. Byrd Locks and Dam <ohio r=""> 0.00 Robert C. Byrd Locks and Dam <ohio r=""> 0.00 # Summersville Lake 2.15 2.15 Byron Lake 0.00 Willion Island Locks and Dam <ohio r=""> 0.00 Willion Island Lock and Dam <kanawha river=""> 0.00 Willion Island Lock and Dam <kanawha river=""> 0.00 Willia Lake 0.00 Willia Lake 0.00 Cascar Creek Lake 0.00 Carr Creek Lake 0.00 <</kanawha></kanawha></ohio></ohio></ohio></ohio>	RD (cont) Huntington	(cont)	Mohawk Dam	0.00	0.11	32.61	218.26	251.00
North Fork of Pound River Lake	()		Mohicapville Dam	000	000	000	12.28	12.78
North Fork of Pound River Lake			North Branch Kokosing River Lake	0.00	0.20	9.64	183 14	192 99
Paint Creek Lake 0.54 1 Paintsville Lake 0.00 0.00 Pleasant Hill Lake 0.00 0.00 Robert C. Byrd Locks and Dam <ohio r=""> 0.00 0.00 # Senecaville Lake 2.15 2 # Summersville Lake 0.00 0.00 # Sutton Lake 0.23 2 # Sutton Lake 0.23 0.00 Willow Island Locks and Dam <ohio r=""> 0.00 Willow Island Lock and Dam <kanawha river=""> 0.00 Williow Island Lock and Dam <kanawha river=""> 0.00 Williow Island Lock and Dam <kanawha river=""> 0.00 # Barren River Lake 2.84 1 Buckhorn Lake 2.06 1 Casar Creek Lake 0.00 0.13 Cave Run Lake 0.00 0.42 Cave Run Lake 0.00 0.28 Green River Lake 0.00 0.00</kanawha></kanawha></kanawha></ohio></ohio>			North Fork of Pound River Lake	0.00	0.00	0.00	137.10	137.10
Paintsville Lake 0.00 Piedmont Lake 0.00 Pleasant Hill Lake 0.00 Robert Cooks and Dam < Ohio R> 0.00 Racine Locks and Dam < Ohio R> 0.00 # Senecaville Lake 2.15 # Summersville Lake 3.37 Sutton Lake 0.23 Villow Island Locks and Dam < Ohio R> 0.00 Willow Island Locks and Dam < Kanawha River> 0.00 Willow Island Lock and Dam < Kanawha River> 0.00 Willia Creek Lake 0.00 Willia Lake 0.13 Buckhorn Lake 0.13 Caesar Creek Lake 0.00 Cannelton Lock and Dam + Ohio River 0.00 Cayles Mill Lake 0.00 Cave Run Lake 0.00 <			Paint Creek Lake	0.54	12.86	34.05	817.26	864.70
Piedmont Lake			Paintsville Lake	00.00	0.00	112.78	692.78	805.56
Pleasant Hill Lake 0.32 8			Piedmont Lake	0.00	0.00	36.72	138.15	174.87
R D Bailey Lake			Pleasant Hill Lake	0.32	31.32	6.92	684.96	723.51
Racine Locks and Dam < Ohio R> Robert C. Byrd Locks and Dam < Ohio R> Robert C. Byrd Locks and Dam < Ohio R> Summersville Lake 2.15 23 Sutton Lake 3.55 2 Tappan Lake 0.23 0.00 Willow Island Locks and Dam < Ohio R> Willow Island Lock and Dam < Chio R> Winfield Lock and Dam < Chio R> Winfield Lock and Dam < Chio R> Winfield Lock and Dam < Chio Ryatesville Lake 0.00 0.00 Yatesville Lake 0.13 0.42 0.00 Caesar Creek Lake 0.00 0.42 0.00 Carr Creek Lake 0.00 0.00 0.00 Carr Creek Lake 0.00 0.00 0.00 Carr Creek Lake 0.00 0.00 0.00 0.00 Carr Creek Lake 0.00			R D Bailey Lake	90:0	0.79	44.61	592.65	638.10
# Senecaville Lake # Summersville Lake # Summersville Lake # Summersville Lake # Summersville Lake Sutton Lake Tappan Lake Tappan Lake Tom Jenkins Dam and Burr Oak Lake 0.23 0.00			Racine Locks and Dam <ohio r=""></ohio>	0.00	00.00	41.75	84.76	126.50
# Senecaville Lake # Summersville Lake Sutton Lake Tappan Lake Tappan Lake Tom Jenkins Dam and Burr Oak Lake Tom Jenkins Dam and Burr Oak Lake Willow Island Locks and Dam <ohio r=""> Willow Island Lock and Dam <kanawha river=""> Brookville Lake Brookville Lake Brookville Lake Caesar Creek Lake Caesar Creek Lake Cannelton Lock and Dam + Ohio River Cannelton Lock and Dam + Ohio River Carc Creek Lake Carc Creek Lake Carc Creek Lake Cannelton Lock and Dam + Ohio River Caecan Creek Lake Carc Carc Creek Lake Carc Carc Creek Lake Carc Carc Creek Lake Carc Creek Lake Carc Creek Lake Carc Creek Lake Carc Carc Creek Lake Carc Carc Carc Carc Carc Carc Carc Carc</kanawha></kanawha></kanawha></kanawha></kanawha></ohio>			Robert C. Byrd Locks and Dam <ohio r=""></ohio>	0.00	0.00	18.41	58.29	76.70
# Summersville Lake Sutton Lake Sutton Lake Tappan Lake Tappan Lake Tom Jenkins Dam and Burr Oak Lake Williow Island Locks and Dam <ohio r=""> Williow Island Locks and Dam <no <kanawha="" and="" dam="" island="" lock="" river="" williom=""> Williom Island Lock and Dam <kanawha river=""> Williom Island Lock and Dam <kanawha river=""> Williom Island Lock and Dam <kanawha river=""> Brookville Lake Brookville Lake Brookville Lake Brookville Lake Caesar Creek Lake Caesar Creek</kanawha></kanawha></kanawha></no></ohio>	-			2.15	28.58	79.04	1,050.12	1,159.90
Sutton Lake 0.37 Tappan Lake 3.55 Tom Jenkins Dam and Burr Oak Lake 0.00 Williow Island Locks and Dam <ohio r=""> 0.00 Willied Lock and Dam <kanawha river=""> 0.00 Winflied Lock and Dam <kanawha river=""> 0.00 Yatesville Lake 3.34 2 Brookville Lake 2.84 1 Buckhorn Lake 0.13 2.84 1 Caesar Creek Lake 0.06 1 Cayles Mill Lake 0.66 1 Cannelton Lock and Dam + Ohio River 0.06 1 Cave Run Lake 0.00 0.00 # Cecil M. Harden Lake 0.00 0.00 Green River Lake 0.00 0.00 Green River Lake 0.00 0.00 J. Edward Roush Lake 0.39 0.00 John T. Myers Lock and Dam 0.00 0.00</kanawha></kanawha></ohio>				2.19	11.49	145.88	765.84	925.40
Tappan Lake			Sutton Lake	0.37	8.83	21.86	524.64	555.70
Tom Jenkins Dam and Burr Oak Lake 0.23 Williow Island Locks and Dam <ohio r=""> 0.00 Willis Creek Lake 0.00 Winfleld Lock and Dam <kanawha river=""> 0.00 Yatesville Lake 3.34 2 Brookville Lake 2.84 1 Buckhorn Lake 0.13 1 Caesar Creek Lake 0.06 1 Cangles Mill Lake 0.00 0.00 Carr Creek Lake 0.00 0.42 Carr Creek Lake 0.00 0.28 Cave Run Lake 0.00 1 Cave Run Lake 0.00 0.28 Green River Lake 0.00 0.00 Green River Lake 0.00 0.00 Green River Lake 0.00 0.39 J. Edward Roush Lake 0.39 0.00 John T. Myers Locks 0.00 0.39</kanawha></ohio>	_		Tappan Lake	3.55	20.12	104.95	594.73	723.35
Willow Island Locks and Dam <ohio r=""> 0.00 Wills Creek Lake 0.00 Winfleld Lock and Dam <kanawha river=""> 0.00 Yatesville Lake 3.34 2 Brookville Lake 2.84 1 Buckhorn Lake 0.13 1 Caesar Creek Lake 0.00 1 Caples Mill Lake 0.00 1 Carr Creek Lake 0.00 1 Carr Creek Lake 0.00 0.42 Cave Run Lake 0.00 1 Cave Run Lake 0.00 0.00 # Cecil M. Harden Lake 0.00 1 Clarence J Brown Dam and Reservoir 0.28 0.00 Green River Lake 0.00 0.39 Jedward Roush Lake 0.39 0.00 John T. Myers Lock and Dam 0.00 0.39</kanawha></ohio>				0.23	7.49	14.08	455.11	476.90
Wills Creek Lake 0.00 Winfield Lock and Dam <kanawha river=""> 0.00 Yatesville Lake 0.00 # Barren River Lake 2.84 1 Brookville Lake 2.06 1 Caesar Creek Lake 2.06 1 Caples Mill Lake 0.00 1 Cannelton Lock and Dam + Ohio River 0.00 0.42 Carr Creek Lake 0.00 0.00 Carr Creek Lake 0.00 0.00 Carr Creek Lake 0.00 1.81 Carr Creek Lake 0.00 0.00 # Cecil M. Harden Lake 0.00 1.81 Green River Lake 0.00 0.00 J. Edward Roush Lake 0.00 0.39 John T. Myers Lock and Dam 0.00 0.00</kanawha>			Willow Island Locks and Dam <ohio r=""></ohio>	0.00	0.00	62.08	220.12	282.20
Winfield Lock and Dam <kanawha river=""> 0.00 Yatesville Lake 0.00 # Barren River Lake 3.34 2 Brookville Lake 2.84 1 Buckhorn Lake 0.13 1 Caesar Creek Lake 0.06 1 Cannelton Lock and Dam + Ohio River 0.00 0.42 Carr Creek Lake 0.42 0.00 Carr Creek Lake 0.00 0.00 Carr Creek Lake 0.00 0.00 Carr Creek Lake 0.00 1.81 Carr Creek Lake 0.00 0.00 # Cecil M. Harden Lake 0.00 1.81 Green River Lake 0.00 0.00 J. Edward Roush Lake 0.00 0.39 John T. Myers Lock and Dam 0.00 0.39</kanawha>			Wills Creek Lake	00:00	0.00	96.0	30.90	31.85
/ Yatesville Lake 0.00 # Barren River Lake 3.34 2 Brookville Lake 2.84 1 Buckhorn Lake 0.13 1 Caesar Creek Lake 0.66 1 Cannelton Lock and Dam + Ohio River 0.00 1 Carr Creek Lake 0.00 0.00 Cave Run Lake 0.00 1 Cave Run Lake 0.00 1.81 1 Green River Lake 0.00 0.28 0.00 J. Edward Roush Lake 0.00 0.39 0.00 John T. Myers Lock and Dam 0.00 0.00 0.00				0.00	00:0	68.83	336.07	404.90
# Barren River Lake 3.34 2 Brookville Lake 2.84 1 Buckhorn Lake 0.13 1 Caesar Creek Lake 0.06 1 Cannelton Lock and Dam + Ohio River 0.00 1 Carr Creek Lake 0.00 0.42 Cave Run Lake 0.00 1 Cave Run Lake 0.00 1 Clarence J Brown Dam and Reservoir 0.28 1 Green River Lake 1.81 1 Green River +2 Locks 0.00 0.39 John T. Myers Lock and Dam 0.00 0.39				0.00	0.00	65.65	299.05	364.70
Brookville Lake 2.84 1 Buckhorn Lake 0.13 1 Caesar Creek Lake 0.06 1 Cannelton Lock and Dam + Ohio River 0.00 1 Carr Creek Lake 0.00 0.00 Cave Run Lake 0.00 1 Cecil M. Harden Lake 3.06 1 Clarence J Brown Dam and Reservoir 0.28 1 Green River Lake 0.00 0.00 J. Edward Roush Lake 0.39 0.39 John T. Myers Lock and Dam 0.00 0.00	Louisville			3.34	22.38	194.07	1,298.80	1,518.60
Buckhorn Lake 0.13 Caesar Creek Lake 2.06 1 Cagles Mill Lake 0.66 1 Cannelton Lock and Dam + Ohio River 0.00 1 Carr Creek Lake 0.00 1 Cave Run Lake 3.06 1 Cecil M. Harden Lake 3.06 1 Clarence J Brown Dam and Reservoir 0.28 1 Green River Lake 0.00 1.81 1 Green river +2 Locks 0.00 0.00 1 John T. Myers Lock and Dam 0.00 0.00 0.00			Brookville Lake	2.84	17.44	134.74	827.68	982.70
Caesar Creek Lake 2.06 1 Cagles Mill Lake 0.66 1 Cannelton Lock and Dam + Ohio River 0.00 0.42 Carr Creek Lake 0.00 1 Cave Run Lake 3.06 1 Cedi M. Harden Lake 3.06 1 Clarence J Brown Dam and Reservoir 0.28 1 Green River Lake 0.00 1 Greenriver +2 Locks 0.00 0.39 John T. Myers Lock and Dam 0.00 0.00	-		Buckhorn Lake	0.13	1.75	20.91	277.81	300.60
Cagles Mill Lake 0.66 1 Cannelton Lock and Dam + Ohio River 0.00 1.42 Carr Creek Lake 0.42 1.00 Cave Run Lake 0.00 1 Cecil M. Harden Lake 3.06 1 Ciarence J Brown Dam and Reservoir 0.28 1.81 1 Green River Lake 0.00 1 1 Greenriver +2 Locks 0.00 0.39 1 John T. Myers Lock and Dam 0.00 0.00 0.00			Caesar Creek Lake	2.06	16.63	145.66	1,178.55	1,342.90
Cannelton Lock and Dam + Ohio River 0.00 Carr Creek Lake 0.42 Cave Run Lake 0.00 Cecil M. Harden Lake 3.06 1 Clarence J Brown Dam and Reservoir 0.28 1.81 1 Green River Lake 0.00 0.00 1 J. Edward Roush Lake 0.39 0.00 0.00 John T. Myers Lock and Dam 0.00 0.00 0.00			Cagles Mill Lake	99.0	15.93	9.34	224.07	250.00
Carr Creek Lake 0.42 Cave Run Lake 0.00 Cecil M. Harden Lake 3.06 1 Clarence J Brown Dam and Reservoir 0.28 1.81 1 Green River Lake 0.00 0.00 0.39 J. Edward Roush Lake 0.39 0.00 0.00 John T. Myers Lock and Dam 0.00 0.00 0.00			Cannelton Lock and Dam + Ohio River	0.00	0.00	2.30	43.70	46.00
Cave Run Lake 0.00 Cecil M. Harden Lake 3.06 1 Clarence J Brown Dam and Reservoir 0.28 1.81 1 Green River Lake 0.00 0.00 0.00 J. Edward Roush Lake 0.39 0.00 0.00 John T. Myers Lock and Dam 0.00 0.00 0.00			Carr Creek Lake	0.42	4.20	58.80	594.49	657.90
Cecil M. Harden Lake 3.06 1 Clarence J Brown Dam and Reservoir 0.28 1.81 1 Green River Lake 0.00 0.00 0.39 J. Edward Roush Lake 0.39 0.00 0.00 John T. Myers Lock and Dam 0.00 0.00 0.00			Cave Run Lake	0.00	00:00	10.33	505.97	516.30
Dam and Reservoir 0.28 4.81 1 ks 0.00 Lake 0.39 3k and Dam 0.00				3.06	17.34	212.76	1,205.64	1,438.80
0.00 0.39 0.00				0.28	4.32	60.49	947.62	1,012.70
0.00			Green River Lake	1.81	16.30	101.50	913.49	1,033.10
0.39			Greenriver +2 Locks	0.00	0.00	1.89	25.11	27.00
0.00			J. Edward Roush Lake	0.39	7.34	21.97	417.40	447.10
			John T. Myers Lock and Dam	0.00	0.00	9.27	176.13	185.40
								(Sheet 2 of 15)

Division District Project Campers LEAD (cont.) Louis & Dam 53 + Ohio River 0.00 0.00 Lock & Dam 53 + Ohio River 0.00 0.00 Markiand Lock and Dam + Ohio River 0.00 0.00 Markiand Lock and Dam + Ohio River 0.00 0.00 Massissineau Lake 6.33 28.85 Mississineau Lake 6.33 28.85 Newburgh Lock and Dam + Ohio River 0.00 0.00 Perioka Lake 3.14 23.00 Parkin Rough River Lake 3.14 28.30 Selamonie Lake 3.14 28.55 Selamonie Lake 0.00 0.00 Selamonie Lake 3.14 23.35 Selamonie Lake 3.14 23.06 Selamonie Lake 0.00 0.00 West Fork Of Mill Creek Lake 0.04 4.09 West Fork Of Mill Creek Lake 0.04 2.30 13.03 # Cheathean Lock and Dam 1.04 4.09 13.03 # Cheathean Lake <t< th=""><th>Table E1 (Continued)</th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	Table E1 (Continued)						
Nearhord				npers	Day User	Day Users (inc. OVN)	Total
Louisville (cont) Kentucky River + 4 Locks Continued	District	roject	Boater	Nonboater	Boater	Nonboater	lotai
Lock & Dam 52 + Ohio River Cock & Dam 53 + Ohio River Cock & Ohio River Lake Cock & Ohio River Lake Cock & Ohio River Lake Salamonie Lake Cock & Ohio River Lake Ohio River River River Lake Ohio River River River River Lake Ohio River River River River River River River Lake Ohio River	-	Kentucky River + 4 Locks	0.00	0.00	9.24	122.76	132.00
Lock & Dam 53 + Ohio River		Lock & Dam 52 + Ohio River	0.00	0.00	1.79	33.92	35.70
Markland Lock and Dam + Ohio River 0.13 Mcalpine Lock and Dam + Ohio River 0.00 Mississinewa Lake 4.33 4 Newburgh Lock and Dam + Ohio River 0.00 1.14 2 Newburgh Lock and Dam + Ohio River 3.06 1.7 Patoka Lake 3.14 2 # Rough River Lake 36.58 42 Salamonie Lake 36.58 42 Smithland Lock and Dam + Ohio River 0.00 0.00 West Fork Of Mill Creek Lake 0.00 0.04 # Corleatham Lock and Dam 4.38 2 # Contell Hull Dam and Reservoir 1.34 1 # Contell Hull Dam and Reservoir 1.793 3 # Laurel River Lake 0.00 0.00 # Laurel River Lake 0.00 0.00 # Wolf Creek Dam Lake Cumberland 4.084 3 # Berlin Lake 0.00 0.00 Consemaugh River Lake 0.00 0.00 Berlin Lake 0.00 0.00 Crooked Creek Lake 0.00 0.00 <th>I</th> <td>Lock & Dam 53 + Ohio River</td> <td>0.00</td> <td>0.00</td> <td>0.55</td> <td>7.35</td> <td>7.90</td>	I	Lock & Dam 53 + Ohio River	0.00	0.00	0.55	7.35	7.90
Mississinewa Lake 4.33 4 Mississinewa Lake 4.33 4 Mississinewa Lake 6.33 2 Newburgh Lock and Dam + Ohio River 0.00 1.14 2 Patoka Lake 3.14 2 1.2 # Rough River Lake 3.13 1.4 2 # Rough River Lake 0.00 0.00 1.34 1.3 # Salamonie Lake Smittland Lock and Dam + Ohio River 0.00 0.04 4.38 2 West Fork Of Mill Creek Lake 0.00 0.04 4.38 2 # William H Harsha Lake 4.38 2 2 # William H Harsha Lake 5.08 5.71 3 # Cheatham Lock and Dam Lake Barkley 5.08 5.71 3 # Cheatham Lock and Dam Reservoir 1.34 1 1 # Cordell Hull Dam and Reservoir 1.34 4 1 # J Percy Priest Dam and Reservoir 2.30 1 1 # J Percy Priest Dam and Reservoir 2.30 1 4		Markland Lock and Dam + Ohio River	0.13	0:20	63.48	238.79	302.90
Mississinewa Lake		Mcalpine Lock and Dam + Ohio River	0.00	0.00	15.07	236.03	251.10
# Monroe Lake Newburgh Lock and Dam + Ohio River		Mississinewa Lake	4.33	43.78	72.95	737.64	858.70
Newburgh Lock and Dam + Ohio River 0.00	1#		6.33	28.85	211.34	962.77	1,209.30
# Nolin River Lake 3.06 1.1 Patoka Lake 3.14 2 Salamonie Lake 36.58 42 Salamonie Lake 36.58 42 Salamonie Lake 36.58 42 Smithland Lock and Dam + Ohio River 0.00 0.04 West Fork Of Mill Creek Lake 4.38 2 # William H Harsha Lake 0.04 2 # William H Harsha Lake 6.08 2 # Center Hill Lake 5.08 2 # Cheatham Lock and Dam 0.92 1 # Cheatham Lock and Dam and Reservoir 1.34 1 # Dale Hollow Lake 0.00 0.00 # J Percy Priest Dam and Reservoir 2.30 1 # Laurel River Lake 0.00 0.00 Martins Fork Lake 0.00 0.00 Old Hickory Lock and Dam Conemaugh River Lake 0.00 Crooked Creek Lake 0.10 0.00 Crooked Creek Lake 0.10 0.00 East Branch Clarion River Lake 0.10		Newburgh Lock and Dam + Ohio River	00:00	0.00	34.64	460.26	494.90
# Rough River Lake # Rough River Lake # Salamonie Lake # Salamonie Lake # Salamonie Lake # Smithland Lock and Dam + Ohio River # William Lock and Dam Lake Barkley # William H Harsha Lake # Certer Hill Lake # Cordell Hull Dam and Reservoir # Cordell Hull Dam and Reservoir # Laurel River Lake # J Percy Priest Dam and Reservoir # Laurel River Lake Martins Fork Lake 0.00 1.98 3 # Laurel River Lake 0.00 1.098 3 # Wolf Creek Dam Lake Cumberland 40.84 3 # Wolf Creek Dam Lake Cumberland 6.40 1 # Conemaugh River Lake 0.00 10 # Berlin Lake 0.00 10 # Conemaugh River Lake 0.00 10 # Dashields Locks and Dam <ohio river=""> 0.00 # East Branch Clarion River Lake 0.15 # East Branch Clarion River Lake 0.15 # East Branch Clarion River Lake 0.15 # Emsworth Locks and Dams <ohio river=""> 0.00 # Emsworth Locks and Dam</ohio></ohio></ohio></ohio></ohio></ohio></ohio>	1==		3.06	12.23	416.94	1,667.77	2,100.00
# Rough River Lake Salamonie Lake Salamonie Lake Smithland Lock and Dam + Ohio River Taylorsville Lake West Fork Of Mill Creak Lake # William H Harsha Lake # William H Harsha Lake # Center Hill Lake # Center Hill Lake # Cordell Hull Dam and Reservoir # Cheatham Lock and Dam # Laurel River Lake Martins Fork Lake Martins Fork Lake I Old Hickory Lock and Dam Martins Fork Lake Wolf Creek Dam Lake Cumberland 10.98 3 Wolf Creek Dam Lake Cumberland 6.40 1 Conemaugh River Lake 6.40 1 Canoked Creek Lake 6.40 1	1	Patoka Lake	3.14	28.30	113.11	1,017.95	1,162.50
Salamonie Lake 36.58 42	1-45		3.13	19.22	279.69	1,718.07	2,020.10
Smithland Lock and Dam + Ohio River		Salamonie Lake	36.58	420.69	547.23	6,293.19	7,297.70
Taylorsville Lake 0.00 West Fork Of Mill Greek Lake 0.04 # William H Harsha Lake 4.38 2 # Barkley Lock and Dam 5.08 2 # Center Hill Lake 0.92 1 # Cheatham Lock and Dam 0.92 1 # Cordell Hull Dam and Reservoir 1.94 1 # Dale Hollow Lake 0.00 1 # J Percy Priest Dam and Reservoir 0.00 0.00 Martins Fork Lake 0.00 0.00 Martins Fork Lake 0.00 0.00 I Old Hickory Lock and Dam 0.00 0.00 Conemaugh River Lake 0.00 0.00 Crooked Creek Lake 0.00 0.00 East Branch Clarion River Lake 0.00 0.15 East Branch Clarion River Lake 0.00 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 0.00 Gray's Landing Locks and Dam 0.00 Gray's Landing Locks and Dam 0.00 Ond</ohio></ohio>	1		0.00	00.00	1.46	19.44	20.90
West Fork Of Mill Creek Lake 0.04 # William H Harsha Lake 4.38 2 # Barkley Lock and Dam Lake Barkley 5.71 3 # Center Hill Lake 0.92 1.34 1 # Cordell Hull Dam and Reservoir 1.34 1 1 # Dale Hollow Lake 17.93 3 # Dale Hollow Lake 0.00 0.00 # Laurel River Lake 0.00 0.00 Martins Fork Lake 0.00 0.00 I Old Hickory Lock and Dam 40.84 3 # Wolf Creek Dam Lake Cumberland 0.00 0.00 Conemaugh River Lake 0.00 0.00 Crooked Creek Lake 0.00 0.10 Berlin Lake 0.00 0.00 Crooked Creek Lake 0.00 0.15 East Branch Clarion River Lake 0.00 0.15 East Branch Clarion River Lake 0.00 0.15 Emsworth Locks and Dams < Ohio River> 0.00 0.15 Emsworth Locks and Dams < Ohio River> 0.00 0.00		Taylorsville Lake	0.00	0.00	201.33	917.17	1,118.50
# William H Harsha Lake 4.38 2 !# Barkley Lock and Dam Lake Barkley 5.71 3 !# Center Hill Lake 5.08 2 # Cheatham Lock and Dam 0.92 1 # Cordell Hull Dam and Reservoir 1.94 1 # Dale Hollow Lake 17.93 3 # Laurel River Lake 0.00 0.00 Martins Fork Lake 0.00 3 # Wolf Creek Dam Lake Cumberland 40.84 3 # Wolf Creek Dam Lake Cumberland 0.00 0.00 Conemaugh River Lake 0.00 0.10 Berlin Lake 0.00 0.15 East Branch Clarion River Lake 0.00 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 0.00 Emsworth Locks and Dams <ohio river=""> 0.00 0.00</ohio></ohio>		West Fork Of Mill Creek Lake	0.04	4.09	8.87	877.70	890.70
# Barkley Lock and Dam Lake Barkley 5.71 3 # Center Hill Lake 5.08 2 # Cheatham Lock and Dam 0.92 1 # Cordell Hull Dam and Reservoir 1.94 1 # Dale Hollow Lake 17.93 3 # Laurel River Lake 0.00 0.00 Martins Fork Lake 0.00 3 # Wolf Creek Dam Lake Cumberland 40.84 3 # Wolf Creek Dam Lake Cumberland 6.40 1 Conemaugh River Lake 0.00 0.10 Crooked Creek Lake 0.10 0.10 East Branch Clarion River Lake 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 6.40 1 Emsworth Locks and Dams <ohio river=""> 0.00 0.15 0.00 Gray's Landing Locks and Dams <ohio river=""> 0.00 0.00 0.00</ohio></ohio></ohio>	I.ae		4.38	21.40	174.90	853.92	1,054.60
# Center Hill Lake 5.08 2 # Cheatham Lock and Dam 0.92 1.34 1 # Cordell Hull Dam and Reservoir 1.34 1 # Dale Hollow Lake 17.93 3 # Laurel River Lake 0.00 0.00 Martins Fork Lake 0.00 3 # Wolf Creek Dam Lake Cumberland 40.84 3 # Wolf Creek Dam Lake Cumberland 6.40 1 Conemaugh River Lake 0.00 0.00 Crooked Creek Lake 0.10 0.00 East Branch Clarion River Lake 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 Emsworth Locks and Dams <ohio river=""> 0.00 0.00 Gray's Landing Locks and Dam 0.00 0.00</ohio></ohio>			5.71	32.36	611.94	3,467.68	4,117.70
# Cheatham Lock and Dam # Cordell Hull Dam and Reservoir 1.94 1 # Dale Hollow Lake 17.93 3 # Laurel River Lake 0.00 Martins Fork Lake 0.00 i Old Hickory Lock and Dam 40.84 3 # Wolf Creek Dam Lake Cumberland 40.84 3 # Wolf Creek Dam Lake Cumberland 6.40 Conemaugh River Lake 0.00 Conemaugh River Lake 0.00 East Branch Clarion River Lake 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 East Branch Clarion River Lake 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 Gray's Landing Locks and Dam <ohio river=""> 0.00 Gray's Landing Locks and Dam <ohio river=""> 0.00</ohio></ohio></ohio></ohio>	1		5.08	20.33	791.32	3,165.27	3,982.00
# Cordell Hull Dam and Reservoir 1.94 1 # Dale Hollow Lake 17.93 3 # J Percy Priest Dam and Reservoir 2.30 1 # Laurel River Lake 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	795	Cheatham Lock and	0.92	3.93	457.55	1,950.60	2,413.00
# Dale Hollow Lake # J Percy Priest Dam and Reservoir # Laurel River Lake Martins Fork Lake 0.00 Old Hickory Lock and Dam 10.98 3 # Wolf Creek Dam Lake Cumberland 40.84 3 Berlin Lake 6.40 1 Conemaugh River Lake 0.00 Crooked Creek Lake 0.10 Dashields Locks and Dam <ohio river=""> 0.00 East Branch Clarion River Lake 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 Gray's Landing Locks and Dam 0.00 Gray's Landing Locks and Dam 0.00 Gray's Landing Locks and Dam 0.00 Constant 0.00 Constant 0.00 Constant 0.00 Constant 0.00 0.00 Constant 0.00 0.00 Constant 0.00 0.00 Constant 0.00 0.00 Constant 0.00 </ohio></ohio></ohio></ohio></ohio>	136		1.94	14.20	409.34	3,001.83	3,427.30
# J Percy Priest Dam and Reservoir 2.30 1 # Laurel River Lake 0.00 0.00 Martins Fork Lake 0.00 3 Old Hickory Lock and Dam 40.84 3 # Wolf Creek Dam Lake Cumberland 40.84 3 Berlin Lake 6.40 1 Conemaugh River Lake 0.00 0.00 Crooked Creek Lake 0.10 0.10 Dashields Locks and Dam <ohio river=""> 0.00 East Branch Clarion River Lake 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 0.00 Gray's Landing Locks and Dam 0.00 0.00</ohio></ohio>	746		17.93	30.53	1,249.98	2,128.35	3,426.80
# Laurel River Lake 0.00 Martins Fork Lake 0.00 1 Old Hickory Lock and Dam 40.84 3 # Wolf Creek Dam Lake Cumberland 40.84 3 Berlin Lake 6.40 1 Conemaugh River Lake 0.00 0.00 Crooked Creek Lake 0.10 0.10 Dashields Locks and Dam <ohio river=""> 0.00 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 0.00 Gray's Landing Locks and Dam 0.00 0.00</ohio></ohio>	17*	J Percy Priest Dam	2.30	13.03	994.33	5,634.54	6,644.20
Martins Fork Lake 0.00 1 Old Hickory Lock and Dam 10.98 3 # Wolf Creek Dam Lake Cumberland 40.84 3 Berlin Lake 6.40 1 Conemaugh River Lake 0.00 0.10 Crooked Creek Lake 0.10 0.00 East Branch Clarion River Lake 0.15 0.00 Emsworth Locks and Dams <ohio river=""> 0.00 0.15 Gray's Landing Locks and Dam 0.00 0.00</ohio>	L**		0.00	0.00	21.70	249.60	271.30
1 Old Hickory Lock and Dam 10.98 3 # Wolf Creek Dam Lake Cumberland 40.84 3 Berlin Lake 6.40 1 Conemaugh River Lake 0.00 0.10 Crooked Creek Lake 0.10 0.00 East Branch Clarion River Lake 0.15 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 0.00 Gray's Landing Locks and Dam 0.00 0.00</ohio>	!	Martins Fork Lake	00.00	00.00	27.30	133.30	160.60
# Wolf Creek Dam Lake Cumberland 40.84 3 Berlin Lake 6.40 11 Conemaugh River Lake 0.00 Crooked Creek Lake 0.10 Dashields Locks and Dam <ohio river=""> 0.00 East Branch Clarion River Lake 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 Gray's Landing Locks and Dam <ohio river=""> 0.00</ohio></ohio></ohio>		Old Hickory Lock and Dam	10.98	34.78	2,837.34	8,984.90	11,868.00
Berlin Lake 6.40 1 Conemaugh River Lake 0.00 0.00 Crooked Creek Lake 0.10 0.00 Dashields Locks and Dam <ohio river=""> 0.00 East Branch Clarion River Lake 0.15 Emsworth Locks and Dams <ohio river=""> 0.00 Gray's Landing Locks and Dam 0.00 </ohio></ohio>			40.84	37.70	2,448.66	2,260.30	4,787.50
0.00 0.15 0.00	Pittsburgh	Berlin Lake	6.40	11.88	155.65	289.07	463.00
0.10 0.00 0.15 0.00		Conemaugh River Lake	00.00	00.00	8.30	95.50	103.80
0.00		Crooked Creek Lake	0.10	0.85	38.52	311.63	351.10
0.00	1	Dashields Locks and Dam <ohio river=""></ohio>	00.00	00.00	13.78	7.42	21.20
0.00			0.15	0.47	56.92	180.25	237.80
0.00	1	Emsworth Locks and Dams <ohio river=""></ohio>	0.00	00.00	33.08	49.62	82.70
		Gray's Landing Locks and Dam	00.00	00.00	2.80	1.51	4.30
							(Sheet 3 of 15)

Division District	Project	Roater	Campers Nonhoater	Day Users	s (inc. OVN)	Total
_	Long color Hodinach	Doglei	Moliboater	Doaler	MOIIDOAKEI	
LKD (cont) Pittsburgn (cont)	Hannibal Locks and	0.00	0.00	15.34	8.26	73.60
	Hildebrand Lock and Dam <monongahela river=""></monongahela>	0.00	0.00	4.80	1.60	6.40
	Kinzua Dam and Allegheny Reservoir	1.22	4.34	78.02	276.62	360.20
	Lock and Dam 2 <allegheny river=""></allegheny>	0.00	0.00	28.91	12.39	41.30
-	Lock and Dam 3 <allegheny river=""></allegheny>	0.00	0.00	9.49	5.11	14.60
	Lock and Dam 4 <allegheny river=""></allegheny>	0.00	0.00	10.99	5.92	16.90
	Lock and Dam 5 <allegheny river=""></allegheny>	0.00	00:00	6.05	3.26	9.30
	Lock and Dam 6 <allegheny river=""></allegheny>	0.00	0.00	3.78	2.52	6.30
	Lock and Dam 7 <allegheny river=""></allegheny>	0.00	0.00	4.90	4.01	8.90
	Lock and Dam 8 <allegheny river=""></allegheny>	0.00	0.00	4.68	2.52	7.20
	Lock and Dam 9 <allegheny river=""></allegheny>	0.00	0.00	4.68	3.12	7.80
	Locks and Dam 2 < Monongahela River>	0.00	00.00	7.56	3.24	10.80
	Locks and Dam 3 <monongahela river=""></monongahela>	0.00	0.00	2.67	1.44	4.10
	Locks and Dam 4 <monongahela river=""></monongahela>	0.00	00:00	2.67	1.44	4.10
	Loyaihanna Lake	0.12	1.33	19.41	223.24	244.10
	Mahoning Creek Lake	0.58	2.85	8.17	39.90	51.50
	Maxwell Locks and Dam <monongahela river=""></monongahela>	0.00	00.00	90'9	4.04	10.10
	Michael J Kirwan Dam and Reservoir	1.40	4.68	56.70	189.82	252.60
	Montgomery Locks and Dam <ohio river=""></ohio>	00.0	0.00	13.65	7.35	21.00
	Morgantown Lock and Dam <monongahela river=""></monongahela>	00:00	0.00	1.05	1.05	2.10
	Mosquito Creek Lake	2.66	11.35	228.25	973.05	1,215.30
	New Cumberland Locks and Dam <ohio river=""></ohio>	0.00	0.00	18.80	18.80	37.60
	Opekiska Lock and Dam <monongahela river=""></monongahela>	00.00	0.00	0.80	0.80	1.60
	Pike Island Locks and Dam <ohio river=""></ohio>	00.00	0.00	11.40	17.10	28.50
	Point Marion Lock and Dam <monongahela river=""></monongahela>	00.00	00.00	96.0	0.64	1.60
	# Shenango River Lake	6.81	16.67	179.81	440.22	643.50
	Stonewall Jackson Lake	99.0	1.28	132.79	257.77	392.50
	Tionesta Lake	0.77	8.85	34.02	391.26	434.90
	Tygart Lake	0.89	3.36	106.29	399.86	510.40
	Union City Dam	0.00	00:00	00.00	40.40	40.40
	Woodcock Creek Lake	0.14	6.83	8.50	416.63	432.10
	Youghiogheny River Lake	1.55	8.80	101.03	572.52	683.90

MVD Rock Island St. Louis St. Paul	Project		Campore	Post Hoos	Day Users (inc. OVN)	
		Roater	Nonhoater	Boater Boater	Nonboater	Total
	Coralville Lake	8.65	20.19	379.97	886.59	1,295.40
St. Louis	Farmdale Dam	0.00	00:00	0.00	41.30	41.30
St. Louis	Illinois Waterway	0.00	0.00	0.00	128.00	128.00
St. Louis	Lake Red Rock	6.61	66.85	108.64	1,098.49	1,280.60
St. Louis	Mississippi River Pools 11-22 (10 L&D)	6.15	41.15	1,983.18	13,272.02	15,302.50
St. Louis	i# Saylorville Lake	5.12	31.46	180.59	1,109.33	1,326.50
St. Paul		8.97	43.78	487.97	2,382.46	2,923.19
St. Paul	# Clarence Cannon Dam and Mark Twain Lake	16.36	24.54	701.40	1,052.10	1,794.39
St. Paul	# Lake Shelbyville	12.20	55.58	442.06	2,013.85	2,523.70
St. Paul	# Rend Lake	15.74	33.44	768.72	1,633.52	2,451.42
St. Paul	Rivers Project - Illinois River	0.00	00.00	205.95	382.48	588.43
St. Paul	Rivers Project - Lower River	0.00	0.00	157.96	293.36	451.33
St. Paul	Rivers Project - Upper River	0.05	0.07	1,296.32	1,944.48	3,240.92
St. Paul	# Wappapello Lake	7.42	15.77	655.65	1,393.25	2,072.09
	Baldhill Dam Lake Ashtabula	1.57	2.78	57.91	102.94	165.20
	Eau Galle Flood Control Project	0.05	1.12	5.62	134.77	141.56
100	Homme Lake	0.31	0.70	23.25	51.74	76.00
	Lac Qui Parle Lake	0.00	00:00	1.45	46.95	48.40
	Lake Traverse	0.00	0.00	41.64	97.16	138.80
	Mississippi River Headwaters Lakes Project	11.13	18.96	724.32	1,233.31	1,987.72
	Mississippi River Pool U+L St Anthony Falls	00.0	0.00	12.00	68.00	80.00
	Mississippi River Pool No 1	0.00	0.00	20.02	80.08	100.10
	Mississippi River Pool No 2	0.00	0.00	221.67	270.93	492.60
	Mississippi River Pool No 3	0.00	0.00	497.82	331.88	829.70
	Mississippi River Pool No 4	06:0	0:30	1,021.27	340.42	1,362.90
	Mississippi River Pool No 5	6.02	2.58	265.30	113.70	387.60
	Mississippi River Pool No 5a	0.00	00:00	259.44	172.96	432.40
	Mississippi River Pool No 6	0.00	0.00	351.46	189.25	540.70
	Mississippi River Pool No 7	0.00	0.00	301.02	129.01	430.03
	Mississippi River Pool No 8	16.94	9.12	673.75	362.79	1,062.60
	Mississippi River Pool No 9	3.02	1.01	518.38	172.79	695.20
	Mississippi River Pool No 10	0.00	0.00	585.20	315.11	900.30
	Orwell Lake	0.00	00.00	2.63	23.67	26.30
						(Sheet 5 of 15)

MVD (cont) Vicksburg # Arkabutla Lake Bayou Bodcau F Caddo Lake		Car	Campers	Day Hear	(W/V)	
# # # # # and		l	21.20	Day Dati	Day Users (Inc. OVN)	- - -
# # # # # # and		Boater	Nonboater	Boater	Nonboater	Total
Baltimore # # #	la Lake	1.59	7.25	177.40	808.16	994.40
Baltimore # # #	Bayou Bodcau Reservoir	0.01	0.03	28.43	161.13	189.60
Baltimore # # #	Lake	0.00	0.00	0.30	29.80	30.10
Baltimore # #	Lake	16.01	48.04	582.14	1,746.41	2,392.60
Baltimore # # #	ke	4.31	11.09	215.46	554.03	784.90
Baltimore ##	a Lake	0.84	2.51	484.21	1,452.64	1,940.20
Baltimore # #	reeson	4.70	15.73	93.65	313.52	427.60
Baltimore Ratimore New England	uachita	11.59	32.99	306.52	872.40	1,223.50
Baltimore ##	Ouachita-Black Rivers (4 L&D, Calion Pool)	0.00	0.00	28.75	91.05	119.80
Baltimore ##	Ouachita-Black Rivers (4 L&D, Columbia Pool)	0.00	0.00	112.44	191.46	303.90
Baltimore ##	Ouachita-Black Rivers (4 L&D, Felsenthal Pool)	5.32	3.12	110.85	65.10	184.40
Baltimore ##	Ouachita-Black Rivers (4 L&D, Jonesville Pool)	0.00	00.00	72.24	307.96	380.20
Baltimore ##	Pearl River (3 Locks and Dams)	00.00	0.00	41.60	166.40	208.00
Baltimore #	Red River Waterway (5 Locks & Dams)	00:00	00:00	9.83	186.77	196.60
Baltimore ##	Lake	0.56	1.14	506.19	1,027.71	1,535.60
Baltimore ##	e Lake	0.00	00:00	00.00	16.80	16.80
##	Lake	1.68	3.57	86.29	183.36	274.90
##:	Alvin R Bush - Kettle Creek	1.69	2.64	47.22	73.85	125.40
非	Aylesworth Creek Lake	0.00	0.00	0.00	2.70	2.70
\$\frac{1}{2}	Cowanesque Lake	2.63	6.14	26.50	61.83	97.10
#	Curwensville Lake	06:0	1.82	11.84	24.04	38.60
#	East Sidney Lake	1.60	3.11	3.40	09'9	14.70
#	Foster Joseph Sayers Dam	3.24	6.88	133.76	284.23	428.10
#	Jennings Randolph Lake	0.62	1.78	19.21	54.68	76.30
	wn Lake	8.70	22.37	285.72	734.71	1,051.50
	Tioga-Hammond Lakes	96.0	12.69	12.72	168.94	195.30
	y Point	1.68	3.57	32.21	68.44	105.90
Barre Fall Birch Hill	Ball Mountain Lake	0.00	5.90	0.00	47.30	53.20
Birch Hill	Barre Falls Dam	0.00	00.00	1.26	124.25	125.50
	lill Dam	0.41	7.86	22.59	429.14	460.00
Black Ro	Black Rock Lake	00.00	00.00	0.73	72.27	73.00
Blackwat	Blackwater Dam	0.00	00.0	1.15	27.65	28.80
Buffumvil	Buffumville Lake	0.00	00.00	10.04	101.56	111.60
						(Sheet 6 of 15)

		Ca	Campers	Day User	Day Users (inc. OVN)	
Division District	Project	Boater	Nonboater	Boater	Nonboater	lotal
NAD (cont) New England	Cape Cod Canal	0.93	30.11	112.62	3,641.44	3,785.10
(cont)	Charles River Natural Valley Storage Project	0.00	00.00	9.31	39.69	49.00
	Colebrook River Lake	0.00	0.00	19.58	110.93	130.50
	Conant Brook Dam	0.00	00.00	00:00	26.60	26.60
	East Brimfield Lake	0.00	0.00	15.64	114.66	130.30
	Edward Macdowell Lake	0.00	00.00	3.42	53.58	57.00
	Franklin Falls Dam	0.00	0.00	1.85	35.15	37.00
	Hancock Brook Lake	0.00	0.00	0.10	10.00	10.10
	Hodges Village Dam	0.00	00.00	1.70	83.30	85.00
	Hop Brook Lake	0.00	0.00	10.57	140.43	151.00
	Hopkinton-Everett Lake	0.00	0.00	20.82	395.49	416.30
	Knightville Dam	0.02	0.78	0.76	24.64	26.20
	Littleville Lake	0.00	0.00	6.37	39.13	45.50
	Mansfield Hollow Lake	0.00	0.00	114.98	459.92	574.90
	North Hartland Lake	0.00	2.39	0.00	27.40	29.79
	North Springfield Lake	0.00	0.00	0.00	33.20	33.20
	Northfield Brook Lake	00.0	00.00	00:00	40.70	40.70
	Otter Brook Lake	0.00	0.00	0.00	48.73	48.73
	Surry Mountain Lake	0.00	0.00	0.00	89.53	89.53
	Thomaston Dam	0.00	00.00	00.00	102.80	102.80
	Townshend Lake	00:00	0.00	0.00	40.68	40.68
	Tully Lake	0.00	0.00	69.0	16.61	17.30
	Union Village Dam	0.00	0.00	0.00	25.41	25.41
	West Hill Dam	00:00	0.00	1.42	69.58	71.00
	West Thompson Lake	0.36	1.19	21.79	72.96	96.30
	Westville Lake	00.00	0.00	1.11	54.59	55.70
Norfolk	AIW Albemarle and Ches and Dismal Swamp Canal	0.00	0.00	73.38	220.13	293.50
	Gathright Dam-Lake Moomaw	0.00	00.0	0.00	34.30	34.30
Philadelphia	Beltzville Lake	0.00	0.00	142.87	265.33	408.20
	# Blue Marsh Lake	0.00	0.00	176.91	359.18	536.09
	ß	0.00	0.00	141.65	141.65	283.30
	IWW Delaware R to Chesapeake Bay C + D Canal	00:00	0.00	136.50	73.50	210.00
	Promoton Lake	0.00	00.00	33.68	8.42	42.10

		L						
Division	District	P	Project	Boater	Nonboater	Boater	ray Users (Inc. Ovn)	Total
NWD	Kansas City	_	Blue Springs Lake	0.33	2.97	29.45	265.05	297.80
			Clinton Lake	4.01	18.25	148.04	674.40	844.70
			Harlan County Lake	2.42	6.55	134.12	362.61	505.70
		#	Harry S Truman Dam and Reservoir	24.43	13.74	1,000.79	562.94	1,601.90
_			Hillsdale Lake	5.67	6.93	99.44	121.54	233.59
			Kanopolis Lake	1.73	8.45	29.99	146.42	186.60
		L	Long Branch Lake	0.46	2.24	47.09	229.91	279.70
		<u> </u>	Longview Lake	0.58	4.66	79.46	642.90	727.60
			Melvern Lake	6.94	17.84	83.56	214.86	323.20
		#	Milford Lake	3.83	13.58	100.32	355.67	473.40
			Perry Lake	8.03	18.73	219.67	512.55	758.97
		#	Pomme De Terre Lake	15.26	18.65	749.82	916.45	1,700.18
			Pomona Lake	6.10	18.29	124.35	373.06	521.80
		#	Rathbun Lake	3.85	21.80	79.88	452.67	558.20
		#	Smithville Lake	17.72	31.51	381.81	678.77	1,109.80
		#	Stockton Lake	7.42	14.40	366.28	711.00	1,099.10
			Tuttle Creek Lake	0.10	1.59	39.80	623.60	665.10
		_	Wilson Lake	4.01	9.35	48.07	112.17	173.60
	Omaha		Bear Creek Lake	0.17	3.17	16.01	304.16	323.50
		#	Big Bend Dam Lake Sharpe	2.17	9.27	227.00	967.75	1,206.20
			Bluestem Lake	0.20	09:0	3.65	10.95	15.40
			Bowman Haley Lake	60.0	0.59	4.18	27.94	32.80
			Branched Oak Lake	3.48	8.12	50.31	117.39	179.30
		#	Chatfield Lake	0.89	6.56	201.15	1,475.10	1,683.70
		#	Cherry Creek Lake	0.39	5.14	217.01	2,883.07	3,105.60
			Cold Brook Lake	0.00	0.15	0.00	35.45	35.60
			Conestoga Lake	0.49	1.32	6.86	18.53	27.20
			Cottonwood Springs Lake	0.00	0:30	0.00	09:9	06.9
			Fort Peck Project	2.66	3.39	137.30	174.75	318.10
				3.04	13.86	148.32	675.68	840.90
			Garrison Dam Lake Sakakawea	18.17	27.26	469.19	703.78	1,218.40
		#	Gavins Point Project	2.97	53.77	154.42	1,389.74	1,603.90
		L	Glenn Cunningham Lake	0.29	2.65	14.08	126.68	143.70
								(0140)

	,					1410	
				Campers	Day User	Day Users (inc. Ovn)	Total
Division Dist	District	Project	Boater	Nonboater	boater	Nonboater	0000
NWD (cont) Omaha (cont)	aha (cont)	Holmes Lake	00.00	0.00	15.73	377.57	393.30
•		# Oahe Dam Lake Oahe	7.87	20.24	424.53	1,091.66	1,544.30
		Olive Creek Lake	0.26	1.88	09:0	4.37	7.10
		Pawnee Lake	2.33	4.52	32.42	62.93	102.20
		Pipestem Lake	0.07	1.09	4.78	74.86	80.80
		Site 10 Yankee Hill Lake Saltcreek Tributary	0.02	60.0	2.62	14.87	17.60
	٠	Snyder-Winnebago	1.01	1.46	23.71	34.12	60.30
		Stagecoach Lake	0.22	1.35	1.32	8.11	11.00
		Standing Bear Lake	0.00	0.00	11.13	90.07	101.20
		Twin Lakes	0.00	0.00	2.67	13.03	15.70
		Wagontrain Lake	0.74	2.97	1.50	5.99	11.20
		Wehrspann Lake	00.00	0.00	11.73	281.57	293.30
		Zorinsky Lake	0.00	0.00	14.00	335.90	349.90
P	Portland	Blue River Lake	0.00	0.00	0.00	56.98	56.98
		i# Bonneville Lock and Dam	0.07	1.06	185.75	2,910.03	3,096.90
			2.99	3.51	181.77	213.38	401.65
		Cougar Lake	0.00	0.00	0.00	76.07	76.07
		Detroit Lake	0.00	00.00	0.00	26.97	26.97
		Dexter Lake	0.00	0.00	282.35	126.85	409.21
		Dorena Lake	1.51	6.03	68.82	275.29	351.64
		Fall Creek Lake	0.26	0.14	31.59	16.27	48.26
		Fern Ridge Lake	0.61	2.79	165.96	756.04	925.40
		Foster Lake	0.43	2.91	78.18	523.18	604.70
		Green Peter Lake	0.34	1.57	52.78	240.45	295.14
		Hills Creek	0.00	00.00	09:0	14.44	15.04
		# John Day Lock and Dam, Lake Umatilla	3.70	7.87	601.40	1,277.98	1,890.95
		Lookout Point Lake	0.00	0.00	39.55	118.65	158.20
		Lost Creek Lake	5.92	5.69	250.34	240.52	502.48
		# The Dalles Lock and Dam, Lake Celilo	0.82	2.47	244.54	733.63	981.47
		Willamette Falls Locks	00.00	00.00	24.45	17.71	42.16
		Willow Creek	00:00	00.00	9.59	30.38	39.97
							(Choot 0 of 45)

NWD (cont) Seattle Albeni Falls D Chief Joseph Keystone Harl Lake Washing Libby Dam an Mud Mountain Walla Walla # Dworshak Dar Little Goose L Little Goose L Little Goose L Little Goose L Mohary Lock Mill Creek Lak Mill Creek Lak Mohary Lock Mill Creek Lak Mobile Alabama Rive # Alabama Rive # Alabama Rive # Alabama Rive # Lake Seminol # Lake Sidney I Charlessee-T I Tennessee-T						1
		Campers	pers	Day User	Day Users (Inc. OVN)	1
		Boater	Nonboater	Boater	Nonboater	Total
Walla Walla Walla ######################	Albeni Falls Dam and Lake Pend Oreille	1.12	8.24	28.48	208.85	246.70
Walla Walla Walla ## ## ## ## ## ## ## ## ## ## ## ## ##	Chief Joseph Dam and Rufus Woods Lake	0.35	1.72	24.48	119.54	146.10
Walla Walla Walla # # # # # # # # # # # # # # # # # #	Keystone Harbor	0.56	1.68	195.34	586.02	783.60
Walla Walla Walla # # # # # # # # # # # # # # # # # #	Lake Washington Ship Canal	00.00	00.0	335.39	1,122.81	1,458.20
Walla Walla # # # # # # # # # # # # # # # # # #	Libby Dam and Lake Koocanusa	0.53	0.53	110.77	110.77	222.60
Walla Walla Walla # # # # # # # # # # # # # # # # # #	Mud Mountain Dam Project White River	0.00	0.00	00.00	111.00	111.00
Alaska Jacksonville Mobile ####################################	Dworshak Dam & Reservoir	0.65	2.31	49.41	175.19	227.56
Alaska Jacksonville Mobile # # #	Ice Harbor Lock & Dam, Lake Sacajawea	2.81	9.97	99.40	352.42	464.60
Alaska Jacksonville Mobile	Little Goose Lock & Dam, Lake Bryan	1.01	3.37	44.03	147.39	195.80
Alaska Jacksonville Mobile ########	r Granite Lock & Dam	2.77	7.48	264.45	715.00	989.70
Alaska Jacksonville Mobile # # # # # # # # # # # # # # # # # # #	Lower Monumental Lock & Dam, Lake West	1.59	5.34	33.27	111.39	151.60
Alaska Jacksonville Mobile	Lucky Peak Lake	0.00	00.0	240.28	510.60	750.88
Alaska Jacksonville Mobile # # # #	McNary Lock & Dam, Lake Wallula	0.67	6.03	422.97	3,806.73	4,236.40
Alaska Jacksonville Mobile ####################################	Mill Creek Lake	0.00	0.00	11.78	156.52	168.30
Jacksonville Mobile # # # # # # # # # # # # # # # # # # #	Chena River Lakes	0.31	4.84	8.06	126.29	139.50
# # # # # #	Fernandina Harbor	0.00	0.00	0.00	66.50	66.50
	Four River Basins	0.00	0.00	50.40	201.60	252.00
# # #	Lake Okeechobee and Waterway	37.73	97.02	1,909.75	4,910.79	6,955.30
# # # # #	ii Harbor	0.00	0.00	0.00	48.70	48.70
	Alabama River Lakes Claiborne	1.74	3.38	70.85	137.53	213.50
	Alabama River Lakes Dannelly	4.43	3.78	911.95	776.84	1,697.00
	Alabama River Lakes Woodruff	4.50	4.88	738.16	799.67	1,547.20
	Aliatoona Lake	32.98	64.02	1,897.54	3,683.46	5,678.00
	Black Warrior and Tombigbee Lakes	2.68	7.25	1,164.31	3,147.96	4,322.20
	ers Lake	3.87	6.31	236.46	385.80	632.44
	George W. Andrews Lake	0.19	0.24	177.23	225.57	403.23
	Lake Seminole	4.26	7.58	367.09	652.60	1,031.53
Okatibbe	Lake Sidney Lanier	27.67	51.38	2,655.14	4,930.97	7,665.16
Tenness	Okatibbee Lake	3.42	12.88	199.32	749.83	965.46
	Tennessee-Tombigbee Waterway	18.92	38.40	1,012.38	2,055.43	3,125.13
	er F. George Lake	23.10	34.65	2,626.32	3,939.48	6,623.55
# West Poi	West Point Project	10.53	29.97	578.27	1,645.84	2,264.60
						(Sheet 10 of 15)

SAD (cont) Savarnah ## Hartwell Lake 30.87 SAD (cont) Savarnah ## Hartwell Lake 14.04 Richard B Russell Dam and Lake 10.00 Richard B Russell Dam and Lake 10.80 Wilmington # B Everett Jordan Dam and Lake 0.00 # Falls Lake Cape Fear River <3 Locks and Dams> 0.00 # Falls Lake Abrilipott Lake 1.96 # Vight Lake W Kerr Scott Dam and Reservoir 2.25 # Philipott Lake Abrilipott Lake 0.05 Conchas Lake Conchas Lake 2.49 Conchas Lake Conchas Lake 0.00 Jahmaz Canyon Dam 0.00 Trinidad Lake Donn Trinidad Lake Donn Brea Dam Carbon Canyon Dam 0.00 Carbon Canyon Dam Carbon Canyon Dam 0.00 Brea Dam Painted Rock Dam 0.00 Pradical Rock Dam Donn Pradical Rock Dam Donn Pradical Fee Dam Donn Banta Fe Dam 0.00 <th>Table E1 (Continued)</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Table E1 (Continued)							
Savamah					Campers	Day User	Day Users (inc. OVN)	Total
Savannah ## Hartwell Lake 33 # J. Strom Thurmond Lake 14 New Savannah Bluff Lock and Dam 14 Richard B Russell Dam and Lake 1 Wilmington # B Everett Jordan Dam and Lake 1 Wilmington # Falls Lake 1 Aberett Jordan Dam and Reservoir 2 # Philipott Lake 2 # W Kerr Scott Dam and Reservoir 2 Abiquiu Dam Cochiti Lake Conchas Lake Conchas Lake Santa Rosa Dam Santa Rosa Dam I John Martin Dam Santa Rosa Dam Carbon Canyon Dam Fullerton Dam Brea Dam Carbon Canyon Dam Fullerton Dam Hansen Dam Mojave River Dam Painted Rock Dam Prado Dam Santa Fe Dam Santa Fe Dam Santa Fe Dam # Whittier Narrows Dam # Whittier Narrows Dam	\neg	2	oject	Boater	Nonboater	Boater	Nonboater	1 Otal
# J. Strom Thurmond Lake New Savannah Bluff Lock and Dam Richard B Russell Dam and Lake Richard B Russell Dam and Lake Cape Fear River <3 Locks and Dams> # Falls Lake # John H Kerr Dam and Reservoir 22 # Philipott Lake Cochiti Lake Conchas Lake Galisteo Dam Jemez Canyon Dam Jemez Canyon Dam I John Martin Dam Santa Rosa Dam and Lake Trinidad Lake Trinidad Lake Two Rivers Dam Fullerton Dam Fullerton Dam Fullerton Dam Fallerton Dam Santa Rosa Dam Santa Margarita Lake Brea Dam Mojave River Dam Painted Rock Dam Salinas Dam Salinas Dam Salinas Dam Richan Salinas Dam Wasanta Margarita Lake Salinas Dam Wasanta Rea Dam Rego Dam Fullerton Dam Fullerton Dam Fullerton Dam Fullerton Dam Rego		#		30.87	62.67	3,311.97	6,724.30	10,129.80
New Savannah Bluff Lock and Dam Richard B Russell Dam and Lake Cape Fear River <3 Locks and Dams> # Falls Lake # John H Kerr Dam and Reservoir # W Kerr Scott Dam and Reservoir Abiquiu Dam Cochiff Lake Conchas Lake Galisteo Dam Jemez Canyon Dam I John Martin Dam Santa Rosa Dam and Lake Trinidad Lake Trinidad Lake Trinidad Lake Trinidad Lake Brea Dam Alamo Lake Brea Dam Alamo Lake Trinidad Lake Trinidad Lake Trinidad Lake Trinidad Lake Trinidad Lake Trinidad Lake Santa Rosa Dam Braco Canyon Dam Fullerton Dam Braco Dam Alamo Lake Brea Dam Carbon Canyon Dam Fullerton Dam Braco Dam Alamo Lake Brea Dam Braco Dam Br		#	J. Strom Thurmond Lake	14.04	126.37	671.94	6,047.45	6,859.80
Wilmington # B Everett Jordan Dam and Lake 11 Cape Fear River <3 Locks and Dams>		<u></u>	New Savannah Bluff Lock and Dam	0.00	0.00	1.43	141.37	142.80
Wilmington # B Everett Jordan Dam and Lake # Falls Lake # John H Kerr Dam and Reservoir 2 # Philipott Lake # W Kerr Scott Dam and Reservoir 2 # Philipott Lake # W Kerr Scott Dam and Reservoir 2 # Abiquiu Dam Cochtit Lake Cochtit Lake Cochtit Lake Cochtit Lake Cochtit Lake Cochtit Lake Galisteo Dam Jemez Canyon Dam I John Martin Dam Santa Rosa Dam and Lake Trinidad Lake Brea Dam Carbon Canyon Dam Fullerton Dam Fullerton Dam Painted Rock Dam Painted Rock Dam Painted Rock Dam Rado Dam Santa Fe Dam # Santa Fe Dam # Sepulveda Dam # Sepulveda Dam # Whittier Narrows Dam		<u>L</u>	Richard B Russell Dam and Lake	4.20	3.44	601.51	492.15	1,101.30
# Falls Lake # John H Kerr Dam and Reservoir # John H Kerr Dam and Reservoir # W Kerr Scott Dam and Reservoir # W Kerr Scott Dam and Reservoir # W Kerr Scott Dam and Reservoir Abiquiu Dam Cochiti Lake Conchas Lake Galisteo Dam Jemez Canyon Dam I John Martin Dam Santa Rosa Dam and Lake Trinidad Lake Trinidad Lake Trinidad Lake Trinidad Lake Fullerton Dam # Hansen Dam # Hansen Dam # Hansen Dam Painted Rock Dam Painted Rock Dam Painted Bod Dam Banta Fe Dam # Salinas Dam Santa Margarita Lake Santa Fe Dam # Santa Fe Dam # Sepulveda Dam # Sepulveda Dam # Whittier Narrows Dam # Whittier Narrows Dam	Wilmington	#	B Everett Jordan Dam	10.89	38.59	249.75	885.47	1,184.70
# Falls Lake # John H Kerr Dam and Reservoir # Philipott Lake # W Kerr Scott Dam and Reservoir Abiquiu Dam Cochiti Lake Conchas Lake Galisteo Dam Jemez Canyon Dam I John Martin Dam Santa Rosa Dam and Lake Trinidad Lake Brea Dam Carbon Canyon Dam Hansen Dam Painted Rock Dam Painted Rock Dam Painted Rock Dam Painted Bom Brado Dam Hansen Dam Hansen Dam Wojave River Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Sepulveda Dam # Whittier Narrows Dam		<u>L</u>	Cape Fear River <3 Locks and Dams>	0.00	00.0	10.35	58.67	69.02
# John H Kerr Dam and Reservoir # Philipott Lake # W Kerr Scott Dam and Reservoir Albuquerque Abiquiu Dam Cochiti Lake Conchas Lake Galisteo Dam Jemez Canyon Dam I John Martin Dam Santa Rosa Dam and Lake Trinidad Lake Trinidad Lake Two Rivers Dam Carbon Canyon Dam Fullerton Dam Rullerton Dam Painted Rock Dam Painted Rock Dam Painted Rock Dam Painted Rock Dam Rando Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Whittier Narrows Dam		#	Falls Lake	0.67	3.26	107.14	523.11	634.18
# Philpott Lake # W Kerr Scott Dam and Reservoir Abloquerque Cochiti Lake Cochiti Lake Conchas Lake Galisteo Dam Jemez Canyon Dam I John Martin Dam Santa Rosa Dam and Lake Trinidad Lake Two Rivers Dam Carbon Canyon Dam Fullerton Dam Rullerton Dam Painted Rock Dam Radinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Whittier Narrows Dam		#		26.72	47.51	816.47	1,451.50	2,342.20
Abiquiu Dam Abiquiu Dam Cochiti Lake Conchas Lake Galisteo Dam Jemez Canyon Dam I John Martin Dam Santa Rosa Dam and Lake Trinldad Lake Trinldad Lake Brea Dam Carbon Canyon Dam # Hansen Dam Mojave River Dam Prado Dam Prado Dam Santa Fe Dam Banted Rock Dam Frado Dam Santa Fe Dam # Sepulveda Dam # Sepulveda Dam # Whittier Narrows Dam		#	Philpott Lake	1.96	7.39	191.57	720.67	921.60
Albuquerque Cochiti Lake Conchas Lake Conchas Lake Galisteo Dam Jemez Canyon Dam Santa Rosa Dam and Lake Trinidad Lake Trinidad Lake Trinidad Lake Brea Dam Carbon Canyon Dam # Hansen Dam Wojave River Dam Painted Rock Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Sepulveda Dam # Sepulveda Dam # Whittier Narrows Dam		#	W Kerr Scott Dam and Reservoir	2.25	6.39	284.29	809.12	1,102.05
Cochiti Lake Conchas Lake Conchas Lake Galisteo Dam Jemez Canyon Dam I John Martin Dam Santa Rosa Dam and Lake Trinidad Lake Two Rivers Dam Alamo Lake Brea Dam Carbon Canyon Dam # Hansen Dam Wojave River Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam	Albuquerque	-	Abiquiu Dam	0.13	1.52	6.83	78.52	87.00
Conchas Lake Galisteo Dam Jernez Canyon Dam I John Martin Dam Santa Rosa Dam and Lake Trinidad Lake Two Rivers Dam Alamo Lake Brea Dam Carbon Canyon Dam Fullerton Dam Mojave River Dam Mojave River Dam Prado Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Sepulveda Dam # Sepulveda Dam # Sepulveda Dam # Whittier Narrows Dam		<u>L</u>	Cochiti Lake	0.45	4.57	23.81	240.77	269.60
Galisteo Dam Jernez Canyon Dam Jernez Canyon Dam Santa Rosa Dam and Lake Trinidad Lake Trinidad Lake Two Rivers Dam Alamo Lake Brea Dam Carbon Canyon Dam Fullerton Dam Hansen Dam Mojave River Dam Painted Rock Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Sepulveda Dam # Sepulveda Dam # Sepulveda Dam # Whittier Narrows Dam		<u>L</u>	Conchas Lake	2.49	5.05	41.93	85.13	134.60
Jemez Canyon Dam John Martin Dam Santa Rosa Dam and Lake Trinidad Lake Trinidad Lake Trinidad Lake Trinidad Lake Alamo Lake Brea Dam Carbon Canyon Dam # Hansen Dam Mojave River Dam Painted Rock Dam Prado Dam Prado Dam Santa Fe Dam # Sepulveda Dam # Sepulveda Dam # Sepulveda Dam # Sepulveda Dam # Whittier Narrows Dam		L	Galisteo Dam	00.00	0.00	00:00	4.73	4.73
Santa Rosa Dam and Lake Trinidad Lake Two Rivers Dam Alamo Lake Brea Dam Carbon Canyon Dam # Hansen Dam Mojave River Dam Painted Rock Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Sepulveda Dam # Whittier Narrows Dam			Jemez Canyon Dam	00:00	0.00	00.00	17.36	17.36
Santa Rosa Dam and Lake Trinidad Lake Two Rivers Dam Alamo Lake Brea Dam Carbon Canyon Dam # Hansen Dam Mojave River Dam Prado Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Sepulveda Dam # Sepulveda Dam # Sepulveda Dam # Whittier Narrows Dam			John Martin Dam	0.57	4.62	35.04	283.47	323.70
Trinidad Lake Two Rivers Dam Alamo Lake Brea Dam Carbon Canyon Dam Fullerton Dam # Hansen Dam Wojave River Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Sepulveda Dam # Whittier Narrows Dam			Santa Rosa Dam and Lake	0.39	5.12	4.66	61.89	72.06
Two Rivers Dam Alamo Lake Brea Dam Carbon Canyon Dam Fullerton Dam # Hansen Dam Mojave River Dam Painted Rock Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Whittier Narrows Dam		<u> </u>	Trinidad Lake	0.01	0.97	1.62	160.00	162.60
Alamo Lake Brea Dam Carbon Canyon Dam Fullerton Dam # Hansen Dam Mojave River Dam Painted Rock Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Whittier Narrows Dam			Two Rivers Dam	0.00	0.00	0.00	1.80	1.80
Brea Dam Carbon Canyon Dam Fullerton Dam # Hansen Dam Mojave River Dam Painted Rock Dam Prado Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam # Sepulveda Dam # Whittier Narrows Dam	Los Angeles		Alamo Lake	2.63	8.33	74.19	234.95	320.10
Carbon Canyon Dam Fullerton Dam Hansen Dam Mojave River Dam Painted Rock Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam Sepulveda Dam Whittier Narrows Dam		<u> </u>	Brea Dam	0.00	0.00	00:00	291.20	291.20
Fullerton Dam Hansen Dam Mojave River Dam Painted Rock Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam Sepulveda Dam Whittier Narrows Dam		<u></u>	Carbon Canyon Dam	0.00	0.00	00:00	263.10	263.10
Hansen Dam Mojave River Dam Painted Rock Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam Sepulveda Dam Whittier Narrows Dam			Fullerton Dam	0.00	0.00	00.00	294.90	294.90
Mojave River Dam Painted Rock Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam Sepulveda Dam Whittier Narrows Dam		#		00.00	0.00	0.00	1,140.00	1,140.00
Painted Rock Dam Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam Sepulveda Dam Whittier Narrows Dam		<u> </u>	Mojave River Dam	00:00	3.52	00.00	4.88	8.40
Prado Dam Salinas Dam Santa Margarita Lake Santa Fe Dam Sepulveda Dam Whittier Narrows Dam		L	Painted Rock Dam	00.00	0.00	00.00	00.00	0.00
Salinas Dam Santa Margarita Lake Santa Fe Dam Sepulveda Dam Whittier Narrows Dam		<u> </u>	Prado Dam	00.00	2.20	0.00	423.20	425.40
Santa Fe Dam Sepulveda Dam Whittier Narrows Dam		<u></u>	Salinas Dam Santa Margarita Lake	00.00	0.00	29.90	94.70	124.60
Sepulveda Dam Whittier Narrows Dam		<u></u>	Santa Fe Dam	00.00	0.00	0.00	414.10	414.10
Whittier Narrows Dam		#		00.00	0.00	00.00	2,100.00	2,100.00
		#		00.00	0.00	00.0	2,400.00	2,400.00
								(Sheet 11 of 15)

# Black Butte Lake # Eastman Lake # Harry L Englebright L4 # Harry L Englebright L4 # Hensley Lake # Hensley Lake # New Hogan Lake # New Hogan Lake # Pine Flat Lake Stanislaus River Park # Success Lake # Success Lake # Success Lake # Success Lake Bardwell Lake Bardwell Lake Bardwell Lake Bardwell Lake Bardwell Lake # Ganyon Lake Cooper Lake # Grapevine Lake # Grapevine Lake # Grapevine Lake # Grapevine Lake # Lavon Lake Oroger Lake # Lavon Lake Oroger Lake # Lavon Lake # Dradger Lake # Lavon Lake Oroger Lake # Lavon Lake # Droctor Lake Navarro Mills Lake Navarro Mills Lake Navarro Mills Lake Navarro Mills Lake Ray Roberts Lake	Iable ET (Continued)							
Sacramento # Black Butte Lake # Eastman Lake # Harry L Englebright L2 # Hensley Lake # Hensley Lake # Lake Kaweah Martis Creek Lake # New Hogan Lake # Pine Flat Lake Stanislaus River Park # Success Lake Stanislaus River Park # Success Lake Bardwell Lake Bardwell Lake Bardwell Lake Benbrook Lake Benbrook Lake # Belton Lake Benbrook Lake # Cooper Lake # Grapevine Lake Hords Creek Lake # Joe Pool Lake Hords Creek Lake # Joe Pool Lake Hords Creek L	Dietrict	Proj			Campers	Day Users	Day Users (inc. OVN)	Total
Sacramento # Black Butte Lake # Harry L Englebright La # Harry Creek Lake # New Hogan Lake # Pine Flat Lake # Success Lake Stanislaus River Park # Success Lake Bardwell Lake Bardwell Lake Bardwell Lake Benbrook Lake Benbrook Lake Benbrook Lake # Cooper Lake # Granger Lake Hords Creek Lake # Granger Lake # Joe Pool Lake # Lavon Lake # Droctor Lake # Navarro Mills Lake Navarro Mills Lake Navarro Mills Lake Ray Roberts Lake		5	159	Boater	Nonboater	Boater	Nonboater	100
# Eastman Lake # Harry L Englebright La # Hensley Lake # Lake Kaweah Martis Creek Lake # New Hogan Lake # Pine Flat Lake # Pine Flat Lake # Success Lake Stanislaus River Park # Success Lake Bardwell Lake Bardwell Lake Bardwell Lake Bardwell Lake # Belton Lake Benbrook Lake # Cooper Lake # Granger Lake # Granger Lake # Granger Lake # Granger Lake # Joe Pool Lake # Lavon Lake # Lavon Lake # Lavon Lake # Lavon Lake # Navarro Mills Lake Navarro Mills Lake Navarro Mills Lake Proctor Lake # Ray Roberts Lake # Sam Raybum Resen		#	Black Butte Lake	1.36	3.33	38.17	93.45	136.32
# Harry L Englebright L2 # Hensley Lake # Lake Kaweah Martis Creek Lake # New Hogan Lake # Pine Flat Lake Stanislaus River Park # Success Lake Stanislaus River Park # Success Lake Bardwell Lake Bardwell Lake Bardwell Lake Benbrook Lake Benbrook Lake # Canyon Lake Cooper Lake # Grapevine Lake Hords Creek Lake # Joe Pool Lake Hords Creek Lake # Joe Pool Lake Navarro Mills Lake Navarro Mills Lake Navarro Mills Lake Proctor Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake		#	Eastman Lake	0.46	1.94	11.72	49.98	64.10
# Hensley Lake # Lake Kaweah Martis Creek Lake # New Hogan Lake # Pine Flat Lake Stanislaus River Park # Success Lake Stanislaus River Park # Success Lake Bardwell Lake Bardwell Lake Bardwell Lake Benbrook Lake Benbrook Lake # Canyon Lake Cooper Lake # Granger Lake # Granger Lake # Granger Lake # Joe Pool Lake # Lavon Lake Lake Georgetown Lake Georgetown Lake Georgetown Lake Georgetown Lake Georgetown Ray Roberts Lake Proctor Lake Ray Roberts Lake Ray Roberts Lake		#	Harry L Englebright Lake	0.51	0.54	44.30	46.10	91.45
# Lake Kaweah		#	Hensley Lake	1.44	2.07	52.38	75.38	131.27
Martis Creek Lake # New Hogan Lake Stanislaus River Park # Success Lake Stanislaus River Park # Success Lake # Lake Mendocino ! Lake Sonoma S F Bay Model Regio Bardwell Lake # Belton Lake Benbrook Lake # Canyon Lake Cooper Lake # Grapevine Lake Hords Creek Lake # Joe Pool Lake Hords Creek Lake # Joe Pool Lake Navarro Mills Lake Navarro Mills Lake Navarro Mills Lake Proctor Lake Ray Roberts Lake Ray Roberts Lake		#	Lake Kaweah	1.32	3.74	109.55	311.79	426.40
# New Hogan Lake # Pine Flat Lake Stanislaus River Park # Success Lake # Success Lake Lake Mendocino Lake Sonoma S F Bay Model Regio Bardwell Lake Belton Lake Benbrook Lake Benbrook Lake Cooper Lake Benbrook Lake Hords Creek Lake Granger Lake Hords Creek Lake Hords Creek Lake Lake Georgetown Lake Georgetown Lake Georgetown Lake Georgetown Lake Hords Creek Lake Novarro Mills Lake Navarro Mills Lake Proctor Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake Ray Ray Roberts Lake Ray			Martis Creek Lake	0.04	0.91	1.04	25.01	27.00
# Pine Flat Lake Stanislaus River Park # Success Lake San Francisco # Lake Mendocino ! Lake Sonoma S F Bay Model Regio S F Bay Model Regio B Fort Worth Aquilla Dam & Lake Bardwell Lake Bardwell Lake Bentrook Lake Cooper Lake # Canyon Lake Cooper Lake # Granger Lake Hords Creek Lake # Joe Pool Lake Hords Creek Lake Lawon Lake Lawon Lake Lawon Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake		#	New Hogan Lake	5.23	11.11	59.22	125.84	201.40
San Francisco # Lake Mendocino Lake Sonoma SF Bay Model Regio SF Bay Model Regio Aquilla Dam & Lake Bardwell Lake Bardwell Lake Benbrook Lake Benbrook Lake Benbrook Lake Cooper Lake Ferrells Bridge Dam Granger Lake Hords Creek Lake Navarro Mills Lake Navarro Mills Lake Proctor Lake Ray Roberts Lake Ray		#	Pine Flat Lake	2.95	2.41	178.42	145.98	329.76
# Success Lake San Francisco Lake Sonoma SF Bay Model Regio SF Bay Model Regio Aquilla Dam & Lake Bardwell Lake Belton Lake Benbrook Lake Cooper Lake Ferrells Bridge Dam Granger Lake Hords Creek Lake Lake Georgetown Hords Creek Lake Ray Roberts Lake Ray Roberts Lake			Stanislaus River Parks	90:0	0.26	83.16	378.83	462.30
San Francisco Lake Sonoma Lake Sonoma S F Bay Model Regio S F Bay Model Regio Bardwell Lake Bardwell Lake Belton Lake Benbrook Lake Cooper Lake Ferrells Bridge Dam Granger Lake Hords Creek Lake Hords Creek Lake Hords Creek Lake Hords Creek Lake Lake Georgetown Lake Georgetown Lake Georgetown Lake Georgetown Hords Creek Lake Navarro Mills Lake O.C. Fisher Lake Proctor Lake Ray Roberts Lake Ray		#	Success Lake	2.08	6.58	98.96	313.39	421.01
Fort Worth Aquilla Dam & Lake Bardwell Lake # Belton Lake Benbrook Lake # Canyon Lake Cooper Lake # Ferrells Bridge Dam Granger Lake # Grapevine Lake Hords Creek Lake # Joe Pool Lake Lake Georgetown # Lavon Lake O.C. Fisher Lake Navarro Mills Lake Proctor Lake Ray Roberts Lake Ray Roberts Lake Brootor Lake Ray Roberts Lake Ray Roberts Lake Brootor Lake Ray Roberts Lake Ray Roberts Lake	San Francisco	#	Lake Mendocino	6.46	16.61	152.06	391.02	566.15
Fort Worth Aquilia Dam & Lake Bardwell Lake # Belton Lake Benbrook Lake # Canyon Lake Cooper Lake # Ferrells Bridge Dam Granger Lake # Grapevine Lake Hords Creek Lake # Joe Pool Lake Lake Georgetown # Lavon Lake Navarro Mills Lake Navarro Mills Lake O.C. Fisher Lake Proctor Lake Ray Roberts Lake Ray Roberts Lake Brootbare Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake			Lake Sonoma	1.84	3.42	124.91	231.98	362.16
Fort Worth Aquilla Dam & Lake Bardwell Lake # Belton Lake Benbrook Lake # Canyon Lake Cooper Lake Granger Lake # Ferrells Bridge Dam Granger Lake # Grapevine Lake Hords Creek Lake # Joe Pool Lake Lake Georgetown # Lavon Lake Navarro Mills Lake O.C. Fisher Lake Proctor Lake Ray Roberts Lake Ray Roberts Lake Ray Roberts Lake			S F Bay Model Regional Visitor Center	00:00	0.00	2.06	203.77	205.83
Bardwell Lake Belton Lake Benbrook Lake Canyon Lake Caoper Lake Cooper Lake Ferrells Bridge Dam Granger Lake Granger Lake Hords Creek Lake Joe Pool Lake Lake Georgetown Lake Georgetown Lake Georgetown Lake Groot Lake O.C. Fisher Lake Navarro Mills Lake Navarro Mills Lake Sam Ray Roberts Lake	Fort Worth		Aquilla Dam & Lake	00.00	00:00	17.52	47.38	64.90
Belton Lake Benbrook Lake Canyon Lake Canyon Lake Cooper Lake Ferrells Bridge Dam Granger Lake Grapevine Lake Hords Creek Lake Joe Pool Lake Lake Georgetown Lake Georgetown Lake Georgetown Lake Grapeville Lake O.C. Fisher Lake Proctor Lake Sam Ray Roberts Lake Ray Roberts Lake			Bardwell Lake	1.41	8.64	68.31	419.64	498.00
Benbrook Lake Canyon Lake Cooper Lake Ferrells Bridge Dam Granger Lake Grapevine Lake Hords Creek Lake Joe Pool Lake Lake Georgetown Lavon Lake Lewisville Lake O.C. Fisher Lake Proctor Lake Ray Roberts Lake		#	Belton Lake	5.38	21.51	449.88	1,799.53	2,276.30
Canyon Lake Cooper Lake Ferrells Bridge Dam Granger Lake Grapevine Lake Hords Creek Lake Joe Pool Lake Lake Georgetown Lavon Lake Lewisville Lake O.C. Fisher Lake Proctor Lake Ray Roberts Lake			Benbrook Lake	1.30	11.68	120.31	1,082.81	1,216.10
Cooper Lake Ferrells Bridge Dam Granger Lake Grapevine Lake Hords Creek Lake Joe Pool Lake Lake Georgetown Lavon Lake Lewisville Lake Navarro Mills Lake O.C. Fisher Lake Proctor Lake Ray Roberts Lake		#	Canyon Lake	5.88	23.51	246.56	986.25	1,262.20
Ferrells Bridge Dam Granger Lake Grapevine Lake Hords Creek Lake Joe Pool Lake Lake Georgetown Lavon Lake Lewisville Lake Navarro Mills Lake O.C. Fisher Lake Proctor Lake Ray Roberts Lake			Cooper Lake	2.53	8.96	48.69	172.63	232.80
		#	Ferrells Bridge Dam Lake O' The Pines	6.92	16.94	275.95	675.60	975.40
			Granger Lake	1.38	7.23	54.75	287.44	350.80
		*	Grapevine Lake	3.30	15.05	280.50	1,277.84	1,576.70
			Hords Creek Lake	0.87	13.59	28.80	451.24	494.50
		#	Joe Pool Lake	14.51	18.47	310.65	395.37	739.00
			Lake Georgetown	7.49	23.72	118.92	376.57	526.70
		#	Lavon Lake	3.10	9.29	407.75	1,223.26	1,643.40
		#	Lewisville Lake	7.32	25.96	675.49	2,394.92	3,103.70
			Navarro Mills Lake	1.60	10.72	69.22	463.25	544.80
			O.C. Fisher Lake	0.05	5.35	9.75	965.05	980.20
			Proctor Lake	2.82	8.92	74.27	235.20	321.20
			Ray Roberts Lake	9.62	16.39	816.70	1,390.59	2,233.30
		#	Sam Raybum Reservoir	13.61	20.42	645.07	09'296	1,646.70
# Somerville Lake		#	Somerville Lake	13.33	47.26	276.59	980.63	1,317.80
								(Sheet 12 of 15)

Division District SWD (cont) Fort Worth (cont)							-	
SWD (cont) Fort	ict	Pro	Project	Boater	Campers	Boater	Day Users (Inc. OVN)	Total
()	Worth (cont)		Ilhouse Hollow Reservoir	0.68	2.29	60'66	331.74	433.80
			Town Bluff Dam B.A. Steinhagen Lake	3.27	10.95	73.92	247.46	335.60
		#	Waco Lake	2.23	18.08	192.51	1,557.58	1,770.40
		#	Whitney Lake	7.00	29.84	216.95	924.90	1,178.70
		#	Wright Patman Dam and Lake	4.65	28.55	155.58	955.72	1,144.50
Galv	Galveston	#	Addicks Dam	0.00	0.00	00'0	1,814.10	1,814.10
			Barker Dam	00.00	0.00	0.00	555.80	555.80
			Wallisville Reservoir	0.00	0.00	27.66	145.24	172.90
Little	Little Rock	#	Beaver Lake	9.95	25.58	658.92	1,694.36	2,388.80
		*	Blue Mountain Lake	1.73	4.93	45.41	129.23	181.30
	_	#	Bull Shoals Lake	14.27	16.10	2,595.40	2,926.73	5,552.50
			Clearwater Lake	4.63	13.90	90.94	272.82	382.30
		#	Dardanelle Lake - Ark. Riv. Nav. Sys	4.78	17.97	414.22	1,558.24	1,995.20
		#	David D. Terry Lock and Dam - Ark. Riv. Nav. Sys	0.41	1.31	313.29	992.09	1,307.10
			Dequeen Lake	1.00	3.54	47.84	169.62	222.00
			Dierks Lake	1.15	6.51	23.02	130.42	161.10
			Gillham Lake	1.02	4.99	19.63	95.85	121.50
		*	Greers Ferry Lake	16.66	29.07	1,211.78	4,296.29	5,583.80
			John Paul Hammerschmidt Lake	0.51	3.75	103.25	757.19	864.70
		#	Millwood Lake	2.37	4.82	198.93	403.88	610.00
		生		1.45	13.06	73.15	658.34	746.00
		*	Nimrod Lake	2.08	7.37	81.43	288.72	379.60
		#	Norfork Lake	14.40	15.60	781.59	846.72	1,658.30
			Norrell Lock and Dam - Ark. Riv. Nav. Sys	0.00	00.00	14.69	25.01	39.70
			Ozark Lake - Ark. Riv. Nav. Sys	0.26	1.61	64.59	396.74	463.20
			Pool 3 Lock and Dam - Ark. Riv. Nav. Sys	0.16	0.72	14.01	63.82	78.70
			Pool 4 Lock and Dam - Ark. Riv. Nav. Sys	0.00	0.00	178.73	362.87	541.60
			Pool 5 Lock and Dam - Ark. Riv. Nav. Sys	0.39	2.23	26.13	148.05	176.80
			Rockefeller Lake-Ormand L & D- Ark. Riv. Nav. Sys	0.21	1.66	22.16	179.27	203.30
		#		12.27	59.93	865.23	4,224.36	5,161.80
			Toad Suck Ferry Lock and Dam- Ark. Riv. Nav. Sys	0.71	4.36	62.01	380.92	448.00
			Wilbur D. Mills Lock and Dam- Ark. Riv. Nav. Sys	2.57	6.01	90.28	210.64	309.50
								(Sheet 13 of 15)

Division	District	Project	lect	Boater	Campers Nonhoater	Day User	Day Users (inc. OVN)	Total
SWD (cont)	Tulsa		Arcadia Lake	0.93	5.72	28.85	177.20	212.60
			Birch Lake	0.07	2.0	2,000	02.171	212.03
			Direct Land	0.27	3.00	7.48	99.41	110.77
	I.		Broken Bow Lake	0.79	14.98	45.77	869.66	931.20
	#=]	##		2.70	14.17	138.40	726.62	881.90
	!		Chouteau Lock and Dam 17	0.05	0.86	11.04	172.94	184.90
			Copan Lake	0.25	2.58	5.74	57.99	66.56
			Council Grove	0.12	11.68	3.22	318.29	333.30
			El Dorado Lake	2.16	33.83	35.53	556.58	628.10
			Elk City Lake	0.12	3.94	3.80	122.94	130.80
	#=]	#	Eufaula Lake	5.95	43.65	249.30	1,828.20	2,127.10
			Fall River Lake	0.07	3.35	2.80	137.08	143.30
	45	#	Fort Gibson Lake	2.59	34.40	166.58	2,213.09	2,416.65
			Fort Supply Lake	60.0	4.59	4.99	244.62	254.30
			Great Salt Plains	60.0	8.66	2.84	280.91	292.50
			Heybum Lake	0.24	3.18	8.57	113.85	125.84
			Hugo Lake	0.44	3.97	33.21	298.90	336.52
			Hulah Lake	0.39	6.12	5.22	81.86	93.59
			John Redmond Reservoir	0.07	3.67	4.01	196.59	204.34
			Kaw Lake	0.56	5.69	13.69	138.46	158.41
	##:]	#	Keystone Lake	4.19	28.04	160.38	1,073.29	1,265.90
			Marion Reservoir	3.20	12.81	79.76	319.03	414.80
			Newt Graham Lock and Dam 18	0.10	1.21	15.08	173.41	189.80
	# 1	#	Oologah Lake	1.00	8.99	124.80	1,123.23	1,258.02
	!		Optima Lake	0.01	0.47	0.65	31.87	33.00
	!		Pat Mayse Lake	0.67	21.67	6.40	207.07	235.82
	1		Pearson-Skubitz Big Hill Lake	0.94	5.75	21.13	129.77	157.57
			Pine Creek Lake	69.0	6.25	19.92	179.24	206.10
			Robert S. Kerr, Lock and Dam 15	0.12	5.93	18.35	899.20	923.60
			Sardis Lake	0.22	7.21	8.59	277.79	293.82
			Skiatook Lake	0.63	7.28	46.23	531.70	585.84
	**]	#	Tenkiller Ferry Lake	4.93	30.31	155.96	958.03	1,149.24
	**-	#	Texoma Lake	24.91	93.73	1,222.51	4,598.97	5,940.13
			Toronto Lake	0.74	17.66	3.57	85.73	107.70

District Project Campers Day Users (inc. OVN) Total Total Doster Downboater (inc. OVN) Total Total Day Users (inc. OVN) Total Total Total Day Users (inc. OVN) Total Total Total Day Users (inc. OVN) Total Total Total Downboater (inc. OVN) Total Total	Table E1	Table E1 (Concluded)						
Project Boater Nonboater Nonboater 1 ota ont) Truscott Brine Lake, Area VIII 0.00 0.00 1.50 65.24 400.76				Ö	ımpers	Day User	s (inc. OVN)	
Tulsa (cont) Truscott Brine Lake, Area VIII 0.00 0.00 1.50 6.00 6.00 Waurika Lake 1.15 7.05 65.24 400.76		District	Project	Boater	Nonboater	Boater	Nonboater	lotai
Waurika Lake 1.15 7.05 65.24 400.76 Wd Mayo Lock and Dam 14 0.07 0.69 9.81 99.23 Webbers Falls Lock and Dam 16 0.09 1.45 30.63 479.92 Wister Lake 0.23 11.15 8.09 396.49 386.49 Total 1,174 4,302 83,264 296,762 385. Average 2.57 9.43 182.60 650.79	SWD (cont)	Tulsa (cont)	Truscott Brine Lake, Area VIII	0.00	0.00	1.50	6.00	7.50
Nd Mayo Lock and Dam 14 0.07 0.69 9.81 99.23 Nebbers Falls Lock and Dam 16 0.09 1.45 30.63 479.92 Mister Lake 0.23 11.15 8.09 396.49 1,174 4,302 83,264 296,762 385,000 2,57 9.43 182.60 650.79	,		Waurika Lake	1.15	7.05	65.24	400.76	474.20
Nebbers Falls Lock and Dam 16 0.09 1.45 30.63 479.92 Mister Lake 0.23 11.15 8.09 396.49 1,174 4,302 83,264 296,762 385,264 2,57 9.43 182.60 650.79			Wd Mayo Lock and Dam 14	0.07	0.69	9.81	99.23	109.80
Mister Lake 0.23 11.15 8.09 396.49 1,174 4,302 83,264 296,762 385,264 2,57 9.43 182.60 650.79			Webbers Falls Lock and Dam 16	60.0	1.45	30.63	479.92	512.10
1,174 4,302 83,264 296,762 385, 2.57 9.43 182.60 650.79			Wister Lake	0.23	11.15	8.09	396.49	415.96
2.57 9.43 182.60 650.79			Total	1,174	4,302	83,264	296,762	385,501
			Average	2.57	9.43	182.60	650.79	845.40

Table E2							
Regiona	l Economic Im	Regional Economic Impacts for All CE Projects: Sales (Continued)	nued)				
Division	Dietrict	\$00;00a	Total Spending		Sales Eff	Sales Effects (\$MM)	
DIVISION	DISTRICT	rroject	(\$MM)	Direct	Indirect	Induced	Total
LRD	Detroit	Duluth-Superior Harbor	14.00	9.18	1.65	4.37	15.21
		Keweenaw Waterway	2.41	1.58	0.28	0.75	2.62
		St. Marys River	8.03	5.26	0.95	2.51	8.72
		Sturgeon Bay and Lake Michigan Ship Canal	0.17	0.11	0.02	0.05	0.19
	Huntington	# Alum Creek Lake	39.62	24.57	4.14	13.36	42.07
		Atwood Lake	19.17	12.58	2.26	5.99	20.83
		Beach City Lake	0.72	0.47	90.0	0.22	0.78
		Beech Fork Lake	11.55	7.58	1.36	3.61	12.55
			12.27	8.13	1.77	3.58	13.47
		# Bluestone Lake	21.11	13.85	2.49	09'9	22.94
		Bolivar Dam	2.90	1.90	0.34	0.91	3.15
••=		Burnsville Lake	7.47	4.90	0.88	2.34	8.12
		Capt Anthony Meldahl Locks and Dam <ohio r=""></ohio>	10.77	7.06	1.27	3.36	11.70
		Charles Mill Lake	12.58	8.25	1.49	3.93	13.67
			2.88	1.89	0.34	0.90	3.13
		# Deer Creek Lake	53.10	34.83	6.27	16.60	57.69
	-	Delaware Lake	12.26	8.04	1.45	3.83	13.32
		Dewey Lake	11.75	7.43	1.26	4.78	13.47
		Dillon Lake	18.97	12.44	2.24	5.93	20.61
		Dover Dam	2.63	1.72	0.31	0.82	2.85
		East Lynn Lake	4.68	3.07	0.55	1.46	5.09
		Fishtrap Lake	11.46	7.54	1.59	3.08	12.21
		Grayson Lake	9.24	90.9	1.09	2.89	10.04
		Greenup Locks and Dam <ohio r=""></ohio>	29.55	19.38	3.49	9.24	32.11
		John W Flannagan Dam and Reservoir	5.90	3.87	0.70	1.84	6.41
			2.72	1.78	0.32	0.85	2.95
		London Locks and Dam <kanawha river=""></kanawha>	0.01	0.01	0.00	0.00	0.01
		Marmet Locks and Dam <kanawha river=""></kanawha>	0.88	0.58	0.10	0.28	96.0
							(Sheet 1 of 15)
moste	Counties within 30						

Impacts on counties within 30 miles of CE projects of visitor trip spending within 30 miles of the projects.

Notes: LRD = Great Lakes and Ohio River; MVD = Mississippi Valley; NAD = North Atlantic; NWD = Northwestern.

SWD = Southwestern.

Projects where surveys were conducted to create the spending profiles for this study.

Projects where the IMPLAN economic impact models have been built (Becker 1997).

			Total Spending		Sales Ef	Sales Effects (\$MM)	
Division	District	Project	(\$MM)	Direct	Indirect	Induced	Total
(cont)	LRD (cont) Huntington (cont)	Mohawk Dam	3.54	2.32	0.42	1.11	3.85
		Mohicanville Dam	0.17	0.11	0.02	0.05	0.18
		North Branch Kokosing River Lake	2.60	1.70	0.31	0.81	2.82
		North Fork of Pound River Lake	1.78	1.17	0.21	0.56	1.93
		Paint Creek Lake	12.08	7.92	1.43	3.78	13.13
		Paintsville Lake	11.42	7.49	1.35	3.57	12.41
		Piedmont Lake	2.59	1.70	0.31	0.81	2.81
		Pleasant Hill Lake	10.78	7.07	1.27	3.37	11.71
		R D Bailey Lake	8.70	5.71	1.03	2.72	9.45
		Racine Locks and Dam <ohio r=""></ohio>	2.00	1.31	0.24	0.63	2.17
		Robert C. Byrd Locks and Dam <ohio r=""></ohio>	1.15	0.76	0.14	0.36	1.25
		# Senecaville Lake	17.04	11.18	2.01	5.33	18.52
		# Summersville Lake	13.86	60.6	1.64	4.33	15.06
		Sutton Lake	7.79	5.11	0.92	2.43	8.46
		Tappan Lake	11.32	7.43	1.34	3.54	12.30
		Tom Jenkins Dam and Burr Oak Lake	6.64	4.35	0.78	2.07	7.21
		Willow Island Locks and Dam <ohio r=""></ohio>	4.20	2.75	0.50	1.31	4.56
		Wills Creek Lake	0.42	0.28	0.05	0.13	0.46
		Winfield Lock and Dam <kanawha river=""></kanawha>	5.85	3.83	69.0	1.83	6.35
		Yatesville Lake	5.30	3.20	0.36	1.54	5.10
	Louisville	# Barren River Lake	22.49	14.75	2.66	7.03	24.44
		Brookville Lake	14.79	9.83	1.37	4.39	15.58
		Buckhorn Lake	4.16	2.73	0.49	1.30	4.52
		Caesar Creek Lake	19.49	12.78	2.30	60.9	21.17
		Cagles Mill Lake	4.03	2.64	0.48	1.26	4.38
		Cannelton Lock and Dam + Ohio River	0.62	0.39	90:0	0.19	0.66
		Carr Creek Lake	9.24	90.9	1.09	2.89	10.04
		Cave Run Lake	6.79	4.45	0.80	2.12	7.37
		# Cecil M. Harden Lake	21.39	14.03	2.53	69.9	23.24
		Clarence J Brown Dam and Reservoir	13.85	60.6	1.64	4.33	15.05
		Green River Lake	15.06	9.88	1.78	4.71	16.36
		Greenriver +2 Locks	0.37	0.24	0.04	0.11	0.40
		J. Edward Roush Lake	6.32	4.14	0.75	1.97	6.87

Division District Cuaisville (cont) Louisville (cont) Lo	Table E2	Table E2 (Continued)							
Courseville (cont) Course and Dam Course					Total Spending		Sales Eff	fects (\$MM)	
Louisville (cont) John Ti Nyeze Lock and Dann 2.48 1.63 0.29 0.78 Lock & Dan 17. Hybres Lock and Dan + Ohio River 0.48 0.31 0.06 0.17 Lock & Dan 13. + Ohio River 0.11 0.07 0.01 0.05 Makisan Lock and Dan + Ohio River 1.36 3.07 0.74 1.67 Missistenear Lake 1.36 2.22 0.40 1.06 Missistenear Lake 1.36 2.25 0.40 1.05 Missistenear Lake 1.36 1.26 2.25 0.40 1.05 Missistenear Lake 1.36 1.20 0.24 1.85 Makibin Lock and Dam + Ohio River 6.72 4.22 0.64 1.85 H Nolin River Lake 1.74 1.42 2.06 1.27 2.85 Salamonie Lake 1.74 1.42 2.06 1.27 2.85 Salamonie Lake 1.74 1.42 2.06 1.27 2.85 Mexis Flore Lake 1.74 1.26 1.27 2.85 <	Division	District	Project		(\$MM)	Direct	Indirect	Induced	Total
Cook & Dami Schole River		Louisville (cont)	John T	. Myers Lock and Dam	2.48	1.63	0.29	0.78	2.70
Lock & Dam S2 + Ohio River 0.48 0.31 0.06 0.15 Markland Lock and Dam + Ohio River 4.51 0.07 0.07 0.01 Markland Lock and Dam + Ohio River 4.51 3.07 0.74 1.06 Markland Lock and Dam + Ohio River 1.384 9.06 1.63 4.35 # Monroe Lake Newburgh Lock and Dam + Ohio River 6.72 4.32 0.64 1.06 # Monroe Lake Newburgh Lock and Dam + Ohio River 6.72 2.067 3.72 9.85 # Rough River Lake 6.72 4.32 0.64 1.88 9.56 Salamonie Lake 7.04 1.14.2 2.06 3.72 9.85 Salamonie Lake 8.06 11.42 2.06 3.72 9.85 Salamonie Lake 8.06 1.14.2 2.06 2.25 0.50 West Fork Of Mill Creek Lake 11.30 7.29 1.27 2.95 1.73 # Candeli Hull Dam and Reservoir 16.23 10.71 1.93 1.106 # Candeli Hull Dam and R			Kentuc	ky River + 4 Locks	1.79	1.18	0.21	0.56	1.95
Markathar Lock and Dam + Ohio River			Lock &	Dam 52 + Ohio River	0.48	0.31	90.0	0.15	0.52
Markland Lock and Dam + Ohio River 451 3.07 0.74 1.67 Micabiline Lock and Dam + Ohio River 13.39 2.22 0.40 1.06 # Monroe Lake 13.84 9.08 1.50 2.25 5.96 # Nowburgh Lock and Dam + Ohio River 6.72 4.32 0.64 1.89 # Nowburgh Lock and Dam + Ohio River 17.41 11.42 2.06 5.44 # Rough River Lake 17.41 11.42 2.06 5.44 # Rough River Lake 17.80 19.41 3.49 9.25 Salamonic Lake 118.02 7.26 1.27 28.51 Salamonic Lake 118.02 7.29 1.27 28.51 Taylorsville Lake 118.00 7.29 1.26 2.79 West Fork Of Mill Creek Lake 16.25 10.30 7.04 18.88 # William Lake 18.86 38.10 7.29 1.26 2.79 # Laurer River Lake 57.47 37.70 6.78 17.08 # Laurer River Lake <			Lock &	Dam 53 + Ohio River	0.11	0.07	0.01	0.03	0.12
Mississinava Lake 1384 2.22 0.40 1.06 Mississinava Lake 1/384 9.08 1.63 4.33 # Monroe Lake 1/384 1.52 0.64 1.89 Newburgh Lock and Dam + Ohio River 6.72 4.32 0.64 1.89 # Nolin River Lake 31.52 20.67 3.72 9.85 # Rough River Lake 29.59 19.41 1.42 2.06 5.44 Salamonia Lake 115.02 7.36 1.27 2.06 5.44 Salamonia Lake 115.02 7.36 1.27 2.06 7.29 West Ford Kill Creek Lake 11.80 7.29 1.27 2.75 # William H Harsha Lake 16.35 10.71 1.93 5.10 # Date Hollow Lake 16.36 39.59 7.13 18.86 # Cheathem Lake 57.47 37.70 6.78 17.96 # Date Hollow Lake 57.47 37.70 6.78 17.96 # Date Hollow Lake 2.34 5.24 <td></td> <td></td> <td>Markla</td> <td>nd Lock and Dam + Ohio River</td> <td>4.51</td> <td>3.07</td> <td>0.74</td> <td>1.67</td> <td>5.47</td>			Markla	nd Lock and Dam + Ohio River	4.51	3.07	0.74	1.67	5.47
# Monroe Lake 13.84 9.08 1.63 4.33 4.33 # Monroe Lake			Mcalpii	ne Lock and Dam + Ohio River	3.39	2.22	0.40	1.06	3.68
# Monroe Lake Newburgh Lock and Dam + Ohio River Holin River Lake Howburgh Lock and Dam + Ohio River # Rough River Lake # William H Harsha Lake # Chreathan Lock and Dam # Chreathan Lock and Dam # Chreathan Lock and Dam # Cordier Hill Dam and Reservoir # Laure River Lake # Cordier Hill Dam and Reservoir # Dale Hollow Lake # Wolf Creek Dam Lake Cumberland # Wolf Creek Dam Lake Cumberland # Si A7 37.70 6.78 17.03 17.36 # Laure River Lake # Wolf Creek Dam Lake Cumberland # Si A7 37.70 6.78 17.03 17.06 # Andrins Fork Lake # Martins Fork Lake # Concernangh River Lake # Si			Mississ	sinewa Lake	13.84	80.6	1.63	4.33	15.04
Mewburgh Lock and Dam + Ohio River 6.72 4.32 0.64 1.89				e Lake	19.06	12.50	2.25	5.96	20.71
## Nolin River Lake 31.52 20.67 3.72 9.85 Peatoka Lake 17.41 11.42 2.06 5.44 # Rough River Lake 17.41 11.42 2.06 5.44 Salamonie Lake 118.02 73.56 12.27 29.57 Salamonie Lake 118.02 73.56 1.27 29.51 West Fork Of Mill Creek Lake 16.25 10.30 1.97 4.21 William H Harsha Lake 16.25 10.71 1.97 4.21 West Fork Of Mill Creek Lake 16.32 10.71 1.93 5.10 # William H Harsha Lake 16.32 10.71 1.93 5.10 # William H Harsha Lake 60.36 39.50 7.13 18.63 # Conteal Hall Lake 38.47 23.26 4.19 11.06 # Cordeil Hull Dam and Reservoir 38.47 23.26 4.19 11.08 # Derby Priest Dam and Reservoir 35.47 2.27 0.35 0.91 # Use Fork Lake Awil Creek Dam Lake Cumberland			Newbu		6.72	4.32	0.64	1.89	98'9
# Rough River Lake				River Lake	31.52	20.67	3.72	9.85	34.24
# Rough River Lake 29.59 19.41 3.49 9.25 Salamonic Lake 119.02 73.56 12.27 29.51 Salamonic Lake 0.03 0.03 0.09 Taylorsville Lake 16.25 10.30 1.27 29.51 West Fork Of Mill Creek Lake 11.80 7.29 1.26 2.79 # William H Harsha Lake 16.32 10.71 1.97 4.21 # William H Harsha Lake 60.36 39.59 7.13 18.86 # William H Harsha Lake 60.36 39.59 7.73 18.86 # Cheatham Lock and Dam 35.47 23.26 4.19 11.08 # Cordell Hull Dam and Reservoir 48.69 31.94 5.75 15.52 # Cordell Hull Dam and Reservoir 48.69 31.94 5.75 17.36 # Cordell Hull Dam and Reservoir 37.1 2.27 0.35 0.35 # Dale Hollow Lake 57.47 37.70 6.78 17.98 # Void Creek Dam Lake Cumberland 180.49 110.04			Patoka	Lake	17.41	11.42	2.06	5.44	18.92
Salamonie Lake 119,02 73.56 12.27 29.51 Faylorsville Lake 0.28 0.19 0.03 0.09 Taylorsville Lake 16.25 10.30 1.97 4.21 West Fork of Mill Creek Lake 11.80 7.29 1.26 2.79 # William H Harsha Lake 60.36 39.59 7.13 18.63 # William H Harsha Lake 60.36 39.59 7.13 18.63 # William H Harsha Lake 60.36 39.59 7.13 18.63 # Cheatham Lock and Dam 35.47 23.26 4.19 11.08 # Cordell Hull Dam and Reservoir 48.69 31.94 5.75 15.22 # Cordell Hull Dam and Reservoir 48.69 31.94 5.75 15.22 # Dale Hollow Lake 57.47 37.70 6.78 17.68 # Laurel River Lake 2.32 1.59 0.39 0.91 # Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 # Wolf Creek Lake Crooked Creek Lake				River Lake	29.59	19.41	3.49	9.25	32.15
Smithland Lock and Dam + Ohio River 0.28 0.19 0.03 0.09 Taylorsville Lake 16.25 10.30 1.97 4.21 West Fork Of Mill Creek Lake 11.80 7.29 1.26 2.79 # William H Harsha Lake 16.32 10.71 1.93 5.10 # Barkley Lock and Dam Lake Barkley 60.36 39.59 7.13 18.86 # Center Hill Lake 60.36 39.10 7.04 18.63 # Cheatham Lock and Dam And Reservoir 48.69 31.94 5.75 15.22 # Dale Hollow Lake 57.47 37.70 6.78 17.86 # J Percy Priest Dam and Reservoir 95.44 62.48 12.48 36.65 # Laurel River Lake 3.71 2.27 0.35 0.99 # Wolf Creek Dam Lake Cumbertand 86.97 55.47 8.46 20.43 # Wolf Creek Dam Lake Cumbertand 86.97 55.47 8.46 20.43 Berlin Lake Conemaugh River Lake 4.93 0.16 0.16 Conemaugh River			Salam	onie Lake	119.02	73.56	12.27	29.51	115.33
Taylorsville Lake 16.25 10.30 1.97 4.21 West Fork Of Mill Creek Lake 11.80 7.29 1.26 2.79 # William H Harsha Lake 16.32 10.71 1.93 5.10 # Barkley Lock and Dam Lake Barkley 60.36 39.59 7.13 18.86 # Cheatham Lock and Dam and Reservoir 48.64 23.26 4.19 11.08 # Cordell Hull Dam and Reservoir 48.69 31.94 5.75 15.22 # Date Hollow Lake 57.47 37.70 6.78 17.96 # J Percy Priest Dam and Reservoir 95.44 62.48 12.48 36.65 # Laurel River Lake 3.71 2.27 0.35 0.99 Martins Fork Lake 3.71 2.27 0.35 0.91 # Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 # Berlin Lake Comenaugh River Lake 4.93 0.26 0.05 0.12 Coroked Creek Lake Coroked Creek Lake 4.93 0.26 0.05 0.12 <td></td> <td></td> <td>Smithi</td> <td></td> <td>0.28</td> <td>0.19</td> <td>0.03</td> <td>0.09</td> <td>0.31</td>			Smithi		0.28	0.19	0.03	0.09	0.31
West Fork Of Mill Creek Lake 11.80 7.29 1.26 2.79 # William H Harsha Lake 16.32 10.71 1.93 5.10 # Barkley Lock and Dam Lake Barkley 60.36 39.59 7.13 18.86 # Center Hill Lake 59.61 39.10 7.04 18.63 # Chadrham Lock and Dam 35.47 23.26 4.19 11.08 # Cordell Hull Dam and Reservoir 48.69 31.94 5.75 15.22 # Dale Hollow Lake 57.47 37.70 6.78 17.96 # Jercy Priest Dam and Reservoir 95.44 62.48 17.48 36.65 # Laurel River Lake 3.71 2.27 0.35 0.91 Martins Fork Lake 1.59 11.04 17.03 47.55 # Wolf Creek Dam Lake Cumberland 86.97 5.65 1.41 3.56 Conemaugh River Lake 8.18 5.65 1.41 3.56 Crooked Creek Lake 4.93 3.23 0.58 1.54 Dashields Locks and Dams < Ohio River> 1			Taylor	sville Lake	16.25	10.30	1.97	4.21	16.48
# William H Harsha Lake 16.32 10.71 1.93 5.10 # Barkley Lock and Dam Lake Barkley 60.36 39.59 7.13 18.86 # Center Hill Lake 59.61 39.10 7.04 18.63 # Cheatham Lock and Dam 35.47 23.26 4.19 11.08 # Cheatham Lock and Dam 57.47 37.70 6.78 17.56 # Dale Hollow Lake 57.47 37.70 6.78 17.96 # Jercy Priest Dam and Reservoir 95.44 62.48 12.48 36.65 # Laurel River Lake 3.71 2.27 0.35 0.99 Martins Fork Lake 3.71 2.27 0.35 0.91 # Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 Berlin Lake Conemaugh River Lake 4.93 3.23 0.58 1.54 Crooked Creek Lake 4.93 3.23 0.58 1.54 Crooked Creek Lake 4.93 3.23 0.58 1.54 Crooked Lake 0.39			West F	Fork Of Mill Creek Lake	11.80	7.29	1.26	2.79	11.33
# Barkley Lock and Dam Lake Barkley 60.36 39.59 7.13 18.86 # Center Hill Lake 59.61 39.10 7.04 18.63 # Cheatham Lock and Dam 35.47 23.26 4.19 11.08 # Cordell Hull Dam and Reservoir 48.69 31.94 5.75 15.22 # Dale Hollow Lake 57.47 37.70 6.78 17.96 # J Percy Priest Dam and Reservoir 95.44 62.48 12.48 36.65 # Laurel River Lake 3.71 2.27 0.35 0.99 Martins Fork Lake 2.32 1.59 0.39 0.91 I Old Hickory Lock and Dam 86.97 55.47 8.46 20.43 Berlin Lake 8.18 5.65 1.41 3.56 Conemaugh River Lake 1.42 1.02 0.16 0.48 Crooked Creek Lake 4.93 3.23 0.56 0.15 Crooked Creek Lake 4.93 0.26 0.05 0.12 East Branch Clarion River Lake 3.60 0.39				n H Harsha Lake	16.32	10.71	1.93	5.10	17.73
# Center Hill Lake 59.61 39.10 7.04 18.63 # Cheatham Lock and Dam 35.47 23.26 4.19 11.08 # Cordell Hull Dam and Reservoir 48.69 31.94 5.75 15.22 # Dale Hollow Lake 57.47 37.70 6.78 17.96 # Jercy Priest Dam and Reservoir 95.44 62.48 12.48 36.65 # Laurel River Lake 3.71 2.27 0.35 0.99 Martins Fork Lake 2.32 1.59 0.39 0.91 I Old Hickory Lock and Dam 180.49 110.04 17.03 47.55 # Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 # Wolf Creek Dam Lake Cumberland 86.97 5.65 1.41 3.56 Conemaugh River Lake 8.18 5.65 1.41 3.56 Conemaugh River Lake 4.93 3.23 0.58 1.54 Crooked Creek Lake 4.93 3.23 0.58 0.12 Bashields Locks and Dams < Ohio River> 2.36 0.05 0.05 0.05 0.12 East Branch Cl				y Lock and Dam Lake Barkley	60.36	39.59	7.13	18.86	65.58
# Cheatham Lock and Dam 35.47 23.26 4.19 11.08 # Cordell Hull Dam and Reservoir 48.69 31.94 5.75 15.22 # Dale Hollow Lake 57.47 37.70 6.78 17.96 # J Percy Priest Dam and Reservoir 95.44 62.48 12.48 36.65 # Laurel River Lake 3.71 2.27 0.35 0.99 Martins Fork Lake 1 180.49 110.04 17.03 47.55 I Old Hickory Lock and Dam 86.97 55.47 8.46 20.43 Berlin Lake 8.18 5.65 1.41 3.56 Conemaugh River Lake 4.93 3.23 0.16 0.48 Crooked Creek Lake 4.93 3.23 0.58 1.54 Dashields Locks and Dam <ohio river=""> 0.39 0.26 0.05 0.13 East Branch Clarion River Lake 3.60 2.36 0.43 1.13 Emsworth Locks and Dams <ohio river=""> 1.36 0.89 <</ohio></ohio>				r Hill Lake	59.61	39.10	7.04	18.63	64.77
# Cordell Hull Dam and Reservoir 48.69 31.94 5.75 15.22 # Dale Hollow Lake 57.47 37.70 6.78 17.96 # Jercy Priest Dam and Reservoir 95.44 62.48 12.48 36.65 # Laurel River Lake 3.71 2.27 0.35 0.99 Martins Fork Lake 1.00d Hickory Lock and Dam 180.49 110.04 17.03 47.55 # Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 # Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 Berlin Lake Conemaugh River Lake 1.42 1.02 0.16 0.48 Conked Creek Lake 4.93 3.23 0.56 0.16 0.48 Dashields Locks and Dam <ohio river=""> 0.39 0.26 0.05 0.12 East Branch Clarion River Lake 3.60 2.36 0.043 1.13 Emsworth Locks and Dams <ohio river=""> 1.36 0.16 0.76 0.76</ohio></ohio>				ham Lock and Dam	35.47	23.26	4.19	11.08	38.53
# Dale Hollow Lake 57.47 37.70 6.78 17.96 # J Percy Priest Dam and Reservoir 95.44 62.48 12.48 36.65 # Laurel River Lake 3.71 2.27 0.35 0.99 Martins Fork Lake 180.49 110.04 17.03 47.55 I Old Hickory Lock and Dam Lake Cumberland 86.97 55.47 8.46 20.43 # Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 # Serlin Lake 1.42 1.02 0.16 0.48 Conemaugh River Lake 4.93 3.23 0.58 1.54 Crooked Creek Lake 4.93 3.23 0.58 1.54 Dashields Locks and Dam <ohio river=""> 0.39 0.26 0.05 0.12 East Branch Clarion River Lake 3.60 2.36 0.43 1.13 Emsworth Locks and Dams <ohio river=""> 1.36 0.16 0.42</ohio></ohio>				II Huli Dam and Reservoir	48.69	31.94	5.75	15.22	52.90
# J Percy Priest Dam and Reservoir 95.44 62.48 12.48 36.65 # Laurel River Lake 3.71 2.27 0.35 0.99 Martins Fork Lake 2.32 1.59 0.39 0.91 I Old Hickory Lock and Dam 180.49 110.04 17.03 47.55 # Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 Berlin Lake 8.18 5.65 1.41 3.56 Conemaugh River Lake 1.42 1.02 0.16 0.48 Crooked Creek Lake 4.93 3.23 0.58 1.54 Dashields Locks and Dam <ohio river=""> 0.39 0.26 0.05 0.15 East Branch Clarion River Lake 3.60 2.36 0.43 1.13 Emsworth Locks and Dams <ohio river=""> 1.36 0.89 0.16 0.42</ohio></ohio>				Hollow Lake	57.47	37.70	6.78	17.96	62.44
# Laurel River Lake 3.71 2.27 0.35 0.99 Martins Fork Lake 2.32 1.59 0.39 0.91 I Old Hickory Lock and Dam 180.49 110.04 17.03 47.55 # Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 Berlin Lake 8.18 5.65 1.41 3.56 Conemaugh River Lake 1.42 1.02 0.16 0.48 Crooked Creek Lake 4.93 3.23 0.58 1.54 Dashields Locks and Dam <ohio river=""> 0.39 0.26 0.05 0.12 East Branch Clarion River Lake 3.60 2.36 0.43 1.13 Emsworth Locks and Dams <ohio river=""> 1.36 0.89 0.16 0.42</ohio></ohio>					95.44	62.48	12.48	36.65	111.61
Martins Fork Lake 2.32 1.59 0.39 0.91 I Old Hickory Lock and Dam 180.49 110.04 17.03 47.55 # Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 Berlin Lake 8.18 5.65 1.41 3.56 Conemaugh River Lake 1.42 1.02 0.16 0.48 Crooked Creek Lake 4.93 3.23 0.58 1.54 Dashields Locks and Dam <ohio river=""> 0.39 0.26 0.05 0.12 East Branch Clarion River Lake 3.60 2.36 0.43 1.13 Emsworth Locks and Dams <ohio river=""> 1.36 0.89 0.16 0.42</ohio></ohio>			# Laurel	River Lake	3.71	2.27	0.35	66.0	3.61
1 Old Hickory Lock and Dam 180.49 110.04 17.03 47.55 # Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 Berlin Lake 8.18 5.65 1.41 3.56 Conemaugh River Lake 1.42 1.02 0.16 0.48 Crooked Creek Lake 4.93 3.23 0.58 1.54 Dashields Locks and Dam <ohio river=""> 0.39 0.26 0.05 0.12 East Branch Clarion River Lake 3.60 2.36 0.43 1.13 Emsworth Locks and Dams <ohio river=""> 1.36 0.89 0.16 0.42</ohio></ohio>			Martin	s Fork Lake	2.32	1.59	0.39	0.91	2.89
# Wolf Creek Dam Lake Cumberland 86.97 55.47 8.46 20.43 Berlin Lake 8.18 5.65 1.41 3.56 Conemaugh River Lake 1.42 1.02 0.16 0.48 Crooked Creek Lake 4.93 3.23 0.58 1.54 Dashields Locks and Dam <ohio river=""> 0.39 0.26 0.05 0.12 East Branch Clarion River Lake 3.60 2.36 0.43 1.13 Emsworth Locks and Dams <ohio river=""> 1.36 0.89 0.16 0.42</ohio></ohio>			H PIO I	ickory Lock and Dam	180.49	110.04	17.03	47.55	174.62
Berlin Lake 8.18 5.65 1.41 3.56 Conemaugh River Lake 1.42 1.02 0.16 0.48 Crooked Creek Lake 4.93 3.23 0.58 1.54 Dashields Locks and Dam <ohio river=""> 0.39 0.26 0.05 0.12 East Branch Clarion River Lake 3.60 2.36 0.43 1.13 Emsworth Locks and Dams <ohio river=""> 1.36 0.89 0.16 0.42</ohio></ohio>				Sreek Dam Lake Cumberland	86.97	55.47	8.46	20.43	84.36
1.42 1.02 0.16 0.48 4.93 3.23 0.58 1.54 0.39 0.26 0.05 0.12 3.60 2.36 0.43 1.13 > 1.36 0.89 0.16 0.42		Pittsburgh	Berlin	Lake	8.18	5.65	1.41	3.56	10.61
4.93 3.23 0.58 1.54 0.39 0.26 0.05 0.12 3.60 2.36 0.43 1.13 > 1.36 0.89 0.16 0.42			Conen	naugh River Lake	1.42	1.02	0.16	0.48	1.66
0.39 0.26 0.05 0.12 3.60 2.36 0.43 1.13 1.36 0.89 0.16 0.42			Crook	ed Creek Lake	4.93	3.23	0.58	1.54	5.35
3.60 2.36 0.43 1.13 1.36 0.89 0.16 0.42			Dashie	elds Locks and Dam <ohio river=""></ohio>	0.39	0.26	0.05	0.12	0.43
1.36 0.89 0.16 0.42			East E		3.60	2.36	0.43	1.13	3.92
(Sheet 3 of 15)			Emsw	orth Locks and Dams <ohio river=""></ohio>	1.36	0.89	0.16	0.42	1.48
									(Sheet 3 of 15

			Total Spending		Sales Ef	Sales Effects (\$MM)	
Division	District	Project	(\$MM)	Direct	Indirect	Induced	Total
(Cont	LRD (cont) Pittsburgh (cont)	Gray's Landing Locks and Dam	0.08	0.05	0.01	0.02	0.09
		Hannibal Locks and Dam <ohio river=""></ohio>	0.44	0:30	0.05	0.13	0.47
		Hildebrand Lock and Dam <monongahela river=""></monongahela>	0.12	90.0	0.01	0.04	0.14
			5.59	3.67	99'0	1.75	6.08
		Lock and Dam 2 <allegheny river=""></allegheny>	0.79	0.52	60.0	0.25	0.85
		Lock and Dam 3 <allegheny river=""></allegheny>	0.27	0.18	0.03	0.08	0.29
		Lock and Dam 4 < Allegheny River>	0.31	0.21	0.04	0.10	0.34
		Lock and Dam 5 < Allegheny River>	0.17	0.11	0.02	0.05	0.19
		Lock and Dam 6 <allegheny river=""></allegheny>	0.11	0.08	0.01	0.04	0.12
		Lock and Dam 7 < Alleghany River>	0.16	0.10	0.02	0.05	0.17
		Lock and Dam 8 <allegheny river=""></allegheny>	0.13	60.0	0.02	0.04	0.15
		Lock and Dam 9 < Allegheny River>	0.14	60.0	0.02	0.04	0.15
		Locks and Dam 2 < Monongahela River>	0.21	0.13	0.02	90.0	0.22
		Locks and Dam 3 <monongahela river=""></monongahela>	90.0	90.0	0.01	0.02	0.08
		Locks and Dam 4 <monongahela river=""></monongahela>	0.08	0.05	0.01	0.02	0.08
	~	Loyalhanna Lake	3.40	2.23	0.40	1.06	3.69
		Mahoning Creek Lake	0.89	0.58	0.10	0.28	0.97
		Maxwell Locks and Dam <monongahela river=""></monongahela>	0.18	0.12	0.02	90.0	0.20
		Michael J Kirvan Dam and Reservoir	4.04	2.69	0.51	1.78	4.98
		Montgomery Locks and Dam <ohio river=""></ohio>	0.39	0.26	0.05	0.12	0.42
		Morgantown Lock and Dam < Monongahela River>	0.04	0.02	00:00	0.01	0.04
		Mosquito Creek Lake	18.35	12.04	2.17	5.74	19.94
		New Cumberland Locks and Dam <ohio river=""></ohio>	0.65	0.43	0.08	0.20	0.71
		Opekiska Lock and Dam < Monongahela River>	0.03	0.02	0.00	0.01	0.03
		Pike Island Locks and Dam <ohio river=""></ohio>		0.31	90:0	0.15	0.51
		Point Marion Lock and Dam < Monongahela River>		0.02	0.00	0.01	0.03
		# Shenango River Lake		7.19	1.29	3.42	11.91
		Stonewall Jackson Lake	6.33	4.15	0.75	1.98	6.87
		Tionesta Lake	6.35	4.16	0.75	1.98	6.90
		Tygart Lake	7.73	2.07	0.91	2.41	8.40
		Union City Dam	0.52	0.34	90.0	0.16	0.57
		Woodcock Creek Lake	5.97	3.92	0.71	1.87	6.49
		Youghiogheny River Lake	10.20	69.9	1.20	3.19	11.08
							(27 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

MVD Reck Island Project Total Spending Direct Indicated Indicated Indicated Total Spending									
Rock Island	vieion	- interior	å	***************************************	Total Spending		Sales E	ffects (\$MM)	
Forck Island Coravinile Lake 21:39 140.3 2.62 6.69 2.74 Illinois Waterway 1.66 1.09 0.20 0.57 0.55 Illinois Waterway 1.66 1.09 0.20 0.57 0.55 Illinois Waterway 1.66 1.09 0.20 0.52 0.55 Illinois Waterway 1.66 1.09 0.20 0.52 0.55 Illinois Waterway 1.66 1.09 0.20 0.52 0.55 Illinois Waterway 20.74 1.35 0.24 6.60 0.20 Illinois Waterway 20.73 20.74 2.74 6.65 0.50 Illinois Waterway 20.73 20.74 3.75 10.52 0.50 Illinois Waterway 20.73 20.73 3.22 3.45 0.55 0.50 Illinois Waterway 20.73 20.73 3.22 3.45 0.55 0.50 Illinois Waterway 20.73 20.73 20.73 20.73 0.55 0.50 Illinois Waterway 20.73 20.73 20.73 20.73 20.73 0.50 Illinois Waterway 20.73 20.73 20.73 20.73 20.73 20.73 Illinois Waterway 20.73 20.73 20.73 20.73 20.73 20.73 Illinois Waterway 20.73 20.74 1.17 20.74 1.00 Illinois Waterway 20.73 20.74 1.00 20.73 20.74 1.00 Illinois Waterway 20.73 20.74 1.00 20.74 1.00 20.74 1.00 Illinois Waterway 20.73 20.74 1.00	VISIOII	DISHICL	=	oject	(\$MM)	Direct	Indirect	Induced	Total
Fernidale Dann 0.54 0.35 0.06 0.17 Lake Red Rock 20.71 13.59 2.45 64.7 20.71 Lake Spell River Pools 11-22 (10 L&D) 217.88 142.78 2.5.70 68.03 2.2 Hilline is Waterway 20.71 13.59 2.45 6.56 2.2 Hilline is Waterway 20.71 13.59 2.45 6.56 2.2 Hilline is Waterway 20.71 13.59 2.45 6.56 2.2 Hilline is Waterway 21.74 2.74 6.56 2.2 Hilline is Mark Twain Lake 31.22 15.32 4.11 10.25 3.2 Hilline is River Poolet - Lower River 34.25 24.98 4.05 8.76 3.2 Rivers Project - Univer River 3.45 6.72 6.25 10.60 3.2 Rivers Project - Univer River 7.22 4.74 0.85 2.26 10.60 3.2 Rivers Project - Univer River 3.35 3.35 3.40 1.01 3.2 Rivers Project - Univer River 3.35 3.35 3.40 3.65 10.60 3.2 Rivers Project - Univer River 3.35 3.35 3.35 3.26 10.60 3.2 Rivers Project - Universe 3.35 3.35 3.35 3.26 10.60 3.2 Rivers Project - Universe 3.35 3.35 3.24 3.25 3.26 1.05 3.26	2	Rock Island		Coralville Lake	21.39	14.03	2.52	6.68	23.24
Hillorio Walterway 166 1.09 0.20 0.52 Lieke Red Rock 1.22 (10 L&D) 217.68 142.78 25.70 68.03 22.45 6.47 22.45 22.45 6.47 22.45 2				Farmdale Dam	0.54	0.35	90.0	0.17	0.58
Lake Red Rock Lake Shelpyulle Lake Lake Shelpyulle Lake Lake Shelpyulle Lake Lac Shelpyulle Lake Lac Shelpyulle Lake Lac Cull Parle Lake Lac Cull				Illinois Waterway	1.66	1.09	0.20	0.52	1.80
## Sayloville Lake				Lake Red Rock	20.71	13.59	2.45	6.47	22.50
## Sayloville Lake ## Carlyel Lake ## Carlyel Lake ## Carlyel Lake ## Carlyel Lake ## Carlyel Lake ## Rend L					217.68	142.78	25.70	68.03	236.51
# Cartiyle Lake # Clarityce Camon Dam and Mark Twain Lake Rivers Project - Limios River Rivers River Prod Iver Rivers River Prod Iver River Rivers River River River River Rivers River River River River Rivers River River River River River River Rivers River Riv			韭		20.36	12.74	2.74	6.56	22.04
# Clarence Cannon Dam and Mark Twain Lake 3122 1932 4.11 10.25 3 8.76		St. Louis	#	Carlyle Lake	44.45	27.84	3.73	10.42	41.99
# Rend Lake # Rend Lake # Rend Lake 40.67 27.37 3.82 9.46 4.05 Rivers Project - Lillindis River 7.22 4.74 0.85 2.94 1.11 2.94 2.94 1.11 2.94 2.94 1.11 2.94			#	Clarence Cannon Dam and Mark Twain Lake	31.22	19.32	4.11	10.25	33.68
# Rend Lake Rivers Project - Lillinois River Rivers Project - Lower River Rivers Rivers River Rivers River River Rivers Rivers River River Rivers River River River Mississippi River Pool No 1 Mississippi River Pool No 2 Mississippi River Pool No 5 Mississippi River Pool No 6 Mississippi River Pool No 7 Mississippi River Pool No 6 Mississippi River Pool No 6 Mississippi River Pool No 7 Mississippi River Pool No 6 Mississippi River Pool No 6 Mississippi River Pool No 7 Mississippi River Pool No 9 Mississippi River			#	Lake Shelbyville	39.53	24.98	4.05	8.76	37.79
Rivers Project - Illinois River 941 6.17 1.11 2.94 1 Rivers Project - Lower River 7.22 4.74 0.85 2.26 7.26 Rivers Project - Lower River 3.524 34.92 6.29 16.64 5.26 # Wappapelio Lake 3.559 2.1.14 3.65 10.60 3 Baldhill Dam Lake Ashtabula 2.84 1.72 0.30 1.01 3 Eau Galle Flood Control Project 1.83 1.27 0.23 0.60 1.01 Homme Lake Lake Traverse 1.84 0.75 0.78 0.17 0.36 Homme Lake Lake Traverse 1.23 0.78 0.17 0.36 0.60 Mississippi River Pool U+L St Anthony Falls 1.14 0.75 0.13 0.36 0.66 Mississippi River Pool No 1 4.47 0.97 0.17 0.46 0.46 Mississippi River Pool No 5 7.74 5.39 1.39 1.29 0.36 Mississippi River Pool No 6 6.59 1			#	Rend Lake	40.67	27.37	3.82	9.46	40.66
Rivers Project - Lower River 7.22 4.74 0.85 2.26 # Wappapelio Lake 83.59 21.14 3.65 16.64 6 # Wappapelio Lake 33.59 21.14 3.65 10.60 3 Buldhill Dam Lake Ashtabula 2.84 1.77 0.23 1.01 3 Lac Qui Parle Lake 1.33 0.78 0.77 0.23 0.60 Homme Lake Lake Traverse 0.64 0.42 0.08 0.20 Lake Traverse Mississippi River Pool U+LSt Anthony Falls 1.14 0.75 0.03 1.20 Mississippi River Pool No 1 1.47 0.97 0.17 0.36 0.36 Mississippi River Pool No 2 8.96 1.75 3.90 1.29 3.43 Mississippi River Pool No 5 7.74 5.39 1.19 3.43 Mississippi River Pool No 6 1.005 6.59 1.19 3.43 Mississippi River Pool No 6 1.005 6.59 1.19 3.45 Mississippi River Pool No 6				Rivers Project - Illinois River	9.41	6.17	1.11	2.94	10.23
# Viappapelio Lake 53.24 34.92 6.29 16.64 5 Baidhiil Dam Lake Ashtabula 2.84 1.72 0.30 1.01 Ead aldhiil Dam Lake Ashtabula 2.84 1.77 0.23 0.60 Homme Lake Ashtabula 1.93 1.27 0.23 0.60 Homme Lake 0.64 0.72 0.07 0.60 Lac Qui Parle Lake 0.64 0.42 0.07 0.58 Mississippi River Headwaters Lakes Project 2.16 1.42 0.26 0.58 Mississippi River Pool No 1 1.14 0.75 0.17 0.36 Mississippi River Pool No 2 8.30 5.86 1.29 3.04 Mississippi River Pool No 3 1.506 9.20 1.72 5.13 Mississippi River Pool No 5 7.74 5.39 1.33 3.43 Mississippi River Pool No 6 7.74 5.39 1.19 3.14 1 Mississippi River Pool No 7 8.16 6.59 1.19 3.14 1 Mississipp				Rivers Project - Lower River	7.22	4.74	0.85	2.26	7.84
# Wappapelio Lake Baldhill Dam Lake Ashtabula Eau Galle Flood Control Project Eau Galle Flood Control Project Eau Galle Flood Control Project Lac Qui Parle Lake Lea Cuu Parle Lake Lea Cuu Parle Lake Mississippi River Pool U-L St Anrihony Falls Mississippi River Pool No 1 Mississippi River Pool No 5 Mississippi River Pool No 6 Mississippi River Pool No 6 Mississippi River Pool No 7 Mississippi River Pool No 7 Mississippi River Pool No 6 Mississippi River Pool No 7 M				Rivers Project - Upper River	53.24	34.92	6.29	16.64	57.85
Baldhill Dam Lake Ashtabula 2.84 1.72 0.30 1.01 Eau Galle Flood Control Project 1.93 1.27 0.23 0.60 Homme Lake 1.23 0.78 0.17 0.36 Lac Qui Parle Lake 0.64 0.42 0.08 0.20 Lake Traverse 2.16 1.42 0.26 0.68 Mississippi River Pool U-L St Anthony Falls 1.14 0.75 0.13 0.36 Mississippi River Pool No 1 1.47 0.97 0.17 0.46 0.36 Mississippi River Pool No 2 8.30 5.86 1.29 3.04 1 Mississippi River Pool No 3 1.506 9.20 1.72 5.13 1 Mississippi River Pool No 5 7.74 5.39 1.33 3.43 1 Mississippi River Pool No 6 7.74 5.39 1.33 3.45 1 Mississippi River Pool No 6 10.05 6.59 1.19 3.45 1 Mississippi River Pool No 6 10.05 2.86 1.50			#	Wappapello Lake	33.59	21.14	3.65	10.60	35.39
1.93 1.27 0.23 0.60 1.23 0.78 0.17 0.36 0.64 0.42 0.08 0.20 2.16 1.42 0.26 0.68 33.42 20.58 3.86 12.06 33.42 20.58 3.86 12.06 1.14 0.75 0.13 0.36 1.14 0.97 0.17 0.46 8.30 5.86 1.29 3.04 15.06 9.20 1.72 5.13 7.74 5.39 1.33 2.45 10.05 6.59 1.19 3.14 10.05 6.59 1.19 3.14 13.70 8.98 1.62 4.28 16.73 10.98 1.62 4.28 16.73 10.36 0.04 0.11		St. Paul		Baldhill Dam Lake Ashtabula	2.84	1.72	0:30	1.01	3.03
1.23 0.78 0.17 0.36 0.64 0.42 0.08 0.20 2.16 1.42 0.26 0.68 2.16 1.42 0.26 0.68 33.42 20.58 3.86 12.06 1.47 0.97 0.17 0.46 8.30 5.86 1.29 3.04 15.06 9.20 1.72 5.13 26.56 17.67 3.90 12.95 7.74 5.39 1.33 3.43 7.85 5.15 0.93 2.45 10.05 6.59 1.19 3.14 8.18 5.77 1.27 3.00 13.70 8.98 1.62 4.28 16.73 0.36 0.04 0.01				Eau Galle Flood Control Project	1.93	1.27	0.23	09:0	2.10
0.64 0.42 0.08 0.20 2.16 1.42 0.26 0.68 33.42 20.58 3.86 12.06 1.14 0.75 0.13 0.36 1.47 0.97 0.17 0.46 8.30 5.86 1.29 3.04 15.06 9.20 1.72 5.13 26.56 17.67 3.90 12.95 7.74 5.39 1.33 3.43 10.05 6.59 1.19 3.14 10.05 6.59 1.19 3.14 13.70 8.98 1.62 4.28 16.73 10.98 1.62 4.28 16.73 0.24 0.04 0.11				Homme Lake	1.23	0.78	0.17	0.36	1.31
2.16 1.42 0.26 0.68 33.42 20.58 3.86 12.06 3 1.14 0.75 0.13 0.36 1 1.47 0.97 0.17 0.46 3 8.30 5.86 1.29 3.04 1 15.06 9.20 1.72 5.13 1 26.56 17.67 3.90 12.95 3 7.74 5.39 1.33 3.43 1 10.05 6.59 1.19 3.14 1 10.05 6.59 1.19 3.14 1 20.87 13.69 2.46 6.52 2 13.70 8.98 1.62 4.28 1 16.73 10.98 1.62 4.28 1 16.73 0.04 0.01 0.01				Lac Qui Parle Lake	0.64	0.42	0.08	0.20	0.70
33.42 20.58 3.86 12.06 3 1.14 0.75 0.13 0.36 3 1.47 0.97 0.17 0.46 3 8.30 5.86 1.29 3.04 1 15.06 9.20 1.72 5.13 1 26.56 17.67 3.90 12.95 3 7.74 5.39 1.33 3.43 1 7.85 5.15 0.93 2.45 1 10.05 6.59 1.19 3.14 1 8.18 5.77 1.27 3.00 1 13.70 8.98 1.62 4.28 1 16.73 10.98 1.98 5.23 1 0.36 0.24 0.04 0.11				Lake Traverse	2.16	1.42	0.26	0.68	2.35
1.14 0.75 0.13 0.36 1.47 0.97 0.17 0.46 8.30 5.86 1.29 3.04 15.06 9.20 1.72 5.13 26.56 17.67 3.90 12.95 7.74 5.39 1.33 3.43 7.85 5.15 0.93 2.45 10.05 6.59 1.19 3.14 8.18 5.77 1.27 3.00 20.87 13.69 2.46 6.52 13.70 8.98 1.62 4.28 16.73 10.98 1.98 5.23 1 0.36 0.24 0.04 0.11				Mississippi River Headwaters Lakes Project	33.42	20.58	3.86	12.06	36.50
1.47 0.97 0.17 0.46 8.30 5.86 1.29 3.04 1 15.06 9.20 1.72 5.13 1 26.56 17.67 3.90 12.95 3 7.74 5.39 1.33 3.43 1 7.85 5.15 0.93 2.45 1 10.05 6.59 1.19 3.14 1 8.18 5.77 1.27 3.00 1 20.87 13.69 2.46 6.52 2 13.70 8.98 1.62 4.28 1 16.73 10.98 1.98 5.23 1 0.36 0.24 0.04 0.11				Mississippi River Pool U+L St Anthony Falls	1.14	0.75	0.13	0.36	1.24
8.30 5.86 1.29 3.04 15.06 9.20 1.72 5.13 26.56 17.67 3.90 12.95 7.74 5.39 1.33 3.43 7.85 5.15 0.93 2.45 10.05 6.59 1.19 3.14 8.18 5.77 1.27 3.00 20.87 13.69 2.46 6.52 13.70 8.98 1.62 4.28 16.73 10.98 1.98 5.23 1 0.36 0.24 0.04 0.11				Mississippi River Pool No 1	1.47	0.97	0.17	0.46	1.60
15.06 9.20 1.72 5.13 1 26.56 17.67 3.90 12.95 3 7.74 5.39 1.33 3.43 3 7.85 5.15 0.93 2.45 1 10.05 6.59 1.19 3.14 1 8.18 5.77 1.27 3.00 1 20.87 13.69 2.46 6.52 2 13.70 8.98 1.62 4.28 1 16.73 10.98 1.98 5.23 1 0.36 0.24 0.04 0.11				Mississippi River Pool No 2	8.30	5.86	1.29	3.04	10.20
26.56 17.67 3.90 12.95 3 7.74 5.39 1.33 3.43 1 7.85 5.15 0.93 2.45 1 10.05 6.59 1.19 3.14 1 8.18 5.77 1.27 3.00 1 20.87 13.69 2.46 6.52 2 13.70 8.98 1.62 4.28 1 16.73 10.98 1.98 5.23 1 0.36 0.24 0.04 0.11				Mississippi River Pool No 3	15.06	9.20	1.72	5.13	16.04
7.74 5.39 1.33 3.43 1 7.85 5.15 0.93 2.45 10.05 6.59 1.19 3.14 8.18 5.77 1.27 3.00 20.87 13.69 2.46 6.52 13.70 8.98 1.62 4.28 16.73 10.98 1.98 5.23 0.36 0.24 0.04 0.11				Mississippi River Pool No 4	26.56	17.67	3.90	12.95	34.52
7.85 5.15 0.93 2.45 10.05 6.59 1.19 3.14 1 8.18 5.77 1.27 3.00 1 20.87 13.69 2.46 6.52 2 13.70 8.98 1.62 4.28 1 16.73 10.98 1.98 5.23 1 0.36 0.24 0.04 0.11				Mississippi River Pool No 5	7.74	5.39	1.33	3.43	10.15
10.05 6.59 1.19 3.14 1 8.18 5.77 1.27 3.00 1 20.87 13.69 2.46 6.52 2 13.70 8.98 1.62 4.28 1 16.73 10.98 1.98 5.23 1 0.36 0.24 0.04 0.11				Mississippi River Pool No 5a	7.85	5.15	0.93	2.45	8.53
8.18 5.77 1.27 3.00 20.87 13.69 2.46 6.52 2 13.70 8.98 1.62 4.28 1 16.73 10.98 1.98 5.23 1 0.36 0.24 0.04 0.11				Mississippi River Pool No 6	10.05	6:29	1.19	3.14	10.92
20.87 13.69 2.46 6.52 2 13.70 8.98 1.62 4.28 1 16.73 10.98 1.98 5.23 1 0.36 0.24 0.04 0.11				Mississippi River Pool No 7	8.18	5.77	1.27	3.00	10.04
13.70 8.98 1.62 4.28 16.73 10.98 1.98 5.23 0.36 0.24 0.04 0.11				Mississippi River Pool No 8	20.87	13.69	2.46	6.52	22.68
16.73 10.98 1.98 5.23 1 0.36 0.24 0.04 0.11				Mississippi River Pool No 9	13.70	8.98	1.62	4.28	14.88
0.36 0.24 0.04 0.11				Mississippi River Pool No 10	16.73	10.98	1.98	5.23	18.18
			_	Orwell Lake	0.36	0.24	0.04	0.11	0.40

MVD (cont) Vicksburg # Arkabutla Lake Bayou Bodcau Reservoir Caddo Lake # Degray Lake Enid Lake Enid Lake Lake Greeson # Lake Ouachita Ouachita-Black Rivers (4 L&D, Columbia Pool) Ouachita-Black Rivers (4 L&D, Jonesville Pool) Pearl River (3 Locks and Dams) Red River Waterway (5 Locks & Dams) # Sardis Lake Wallace Lake Wallace Lake Almond Lake Alwin R Bush - Kettle Creek	voir s (4 L&D, Calion Pool) s (4 L&D, Columbia Pool) s (4 L&D, Felsenthal Pool) s (4 L&D, Jonesville Pool) and Dams) (5 Locks & Dams)	(\$MM) 14.82 2.71 0.39 38.92 12.73	Direct 9.54	Indirect	t Induced	14.29
# # # # #	r L&D, Calion Pool) 4 L&D, Columbia Pool) 4 L&D, Felsenthal Pool) 4 L&D, Jonesville Pool) d Dams) Locks & Dams)	14.82 2.71 0.39 38.92 12.73	9.54	100	0000	14.29
Baitimore #	4 L&D, Calion Pool) 4 L&D, Columbia Pool) 4 L&D, Felsenthal Pool) 4 L&D, Jonesville Pool) d Dams) Locks & Dams)	2.71 0.39 38.92 12.73		0.87	3.03	204
Baltimore # #	4 L&D, Calion Pool) 4 L&D, Columbia Pool) 4 L&D, Felsenthal Pool) 4 L&D, Jonesville Pool) J Dams) Locks & Dams)	38.92	1.78	0.32	0.85	4.0.7
Baltimore # # #	4 L&D, Calion Pool) 4 L&D, Columbia Pool) 4 L&D, Felsenthal Pool) 4 L&D, Jonesville Pool) d Dams) Locks & Dams)	38.92	0.26	0.05	0.12	0.43
# # #	4 L&D, Calion Pool) 4 L&D, Columbia Pool) 4 L&D, Felsenthal Pool) 4 L&D, Jonesville Pool) d Dams) Locks & Dams)	12.73	24.35	3.89	10.64	38.88
# # #	4 L&D, Calion Pool) 4 L&D, Columbia Pool) 4 L&D, Felsenthal Pool) 4 L&D, Jonesville Pool) d Dams) Locks & Dams)	20 50	8.35	1.50	3.98	13.84
######################################	4 L&D, Calion Pool) 4 L&D, Columbia Pool) 4 L&D, Felsenthal Pool) 4 L&D, Jonesville Pool) J Dams) Locks & Dams)	29.30	18.16	2.16	5.82	26.14
# # Baltimore	4 L&D, Calion Pool) 4 L&D, Columbia Pool) 4 L&D, Felsenthal Pool) 4 L&D, Jonesville Pool) J Dams) Locks & Dams)	7.26	4.76	0.86	2.27	7.89
Baltimore #	4 L&D, Calion Pool) 4 L&D, Columbia Pool) 4 L&D, Felsenthal Pool) 4 L&D, Jonesville Pool) J Dams) Locks & Dams)	20.51	12.95	2.19	8.13	23.27
Baltimore #	4 L&D, Columbia Pool) 4 L&D, Felsenthal Pool) 4 L&D, Jonesville Pool) J Dams) Locks & Dams)	1.80	1.18	0.21	0.56	1.96
## Baltimore	4 L&D, Feisenthal Pool) 4 L&D, Jonesville Pool) J Dams) Locks & Dams)	4.91	3.22	0.58	1.54	5.34
# Baltimore	4 L&D, Jonesville Pool) d Dams) Locks & Dams)	3.76	2.47	0.44	1.17	4.08
## Baltimore	d Dams) Locks & Dams)	5.56	3.64	99.0	1.74	6.04
Red River Waterway # Sardis Lake Wallace Lake Baltimore Almond Lake Alvin R Bush - Kettle	Locks & Dams)	3.06	2.01	0.36	96.0	3.32
# Sardis Lake Wallace Lake Baltimore Almond Lake Alvin R Bush - Kettle		2.64	1.73	0.31	0.82	2.86
Wallace Lake Baltimore Almond Lake Alvin R Bush - Kettle		24.37	15.31	1.82	5.73	22.86
Baltimore Almond Lake Alvin R Bush - Kettle		0.22	0.14	0.03	0.07	0.24
Alvin R Bush - Kettle Cre		4.55	2.98	0.54	1.42	4.94
	Creek	2.23	1.47	0.26	0.70	2.43
Aylesworth Creek Lake		0.04	0.02	0.00	0.01	0.04
Cowanesque Lake		1.88	1.24	0.22	0.59	2.05
Curwensville Lake		0.73	0.46	0.11	20:0	0.63
East Sidney Lake		0.43	0.34	0.07	0.22	0.63
Foster Joseph Sayers Dam)am	7.17	4.70	0.85	2.24	7.79
Jennings Randolph Lake	9	1.26	0.83	0.15	0.39	1.37
# Raystown Lake		17.50	11.48	2.07	5.47	19.02
Tioga-Hammond Lakes		3.23	2.12	0.38	1.01	3.51
Whitney Point		1.89	1.24	0.22	0.59	2.05
New England Ball Mountain Lake		0.94	0.62	0.11	0.29	1.02
Barre Falls Dam		1.64	1.07	0.19	0.51	1.78
Birch Hill Dam		6.51	4.27	0.77	2.04	7.08
Black Rock Lake		0.95	0.63	0.11	0.30	1.04
Blackwater Dam		0.38	0.25	0.05	0.12	0.42
Buffumville Lake		1.53	1.01	0.18	0.48	1.67

NAME (corr) Instrict Project (5Mm) Direct Indirect	ומטוס == (ספוונווומסמ)	ונוווחסייו						
New England Cape Cod Canal 51.39 33.71 6 (cont) Charles River Natural Valley Storage Project 0.72 0.47 0 Conature River Lake 0.35 0.23 0 0 Conatur Brook Lake 0.37 0.50 0 0 Fanckin Falls Dam 0.13 1.12 0.50 0 Hancock Brook Lake 0.77 0.50 0 0 Hodges Village Dam 1.12 0.73 0.09 0 Hodges Village Dam 1.12 0.73 0.09 0 Hodges Village Dam 1.12 0.73 0.09 0 0 Hodges Village Dam 1.12 0.73 0.09 0			Project	(\$MM)	Direct	Sales Et	Sales Effects (\$MM)	Total
Charles River Natural Valley Storage Project 0.72 0.47 0.70 Colebrook River Lake 1.22 0.00 Colebrook River Lake 1.22 0.00 East Brimfield Lake 1.22 0.77 0.50 0.23 0.77 0.50 0.77 0.77		ngland	Cape Cod Canal	51.39	33.71	6.07	16.06	55.83
Colebrook River Lake 1.86 1.22 Conant Brook Dam 0.35 0.23 East Brimfield Lake 0.77 0.50 Edward Macdowall Lake 0.77 0.50 Edward Macdowall Lake 0.77 0.50 Franklin Falls Dam 0.13 0.09 Hoogss Village Dam 1.12 0.09 Hobkinton-Everett Lake 0.78 1.34 Hopkinton-Everett Lake 0.78 0.25 Knightwille Dam 0.38 0.25 Mansfield Hollow Lake 0.65 0.42 North Harland Lake 0.65 0.43 North Harland Lake 0.65 0.49 North Marland Lake 0.65 0.49 North Marland Lake 0.65 0.49 Otter Brook Lake 0.65 0.49 Otter Brook Lake 0.65 0.49 Tolomskod Lake 0.63 0.45 Otter Brook Lake 0.65 0.73 Tolomskod Lake 0.60 0.73 Union Village Dam 0.83 <td></td> <td>L</td> <td>Charles River Natural Valley Storage Project</td> <td>0.72</td> <td>0.47</td> <td>0.08</td> <td>0.22</td> <td>0.78</td>		L	Charles River Natural Valley Storage Project	0.72	0.47	0.08	0.22	0.78
Conant Brook Dam 0.35 0.23 East Brimfield Lake 1.83 1.20 Edward Macdowell Lake 0.77 0.50 0.50 Franklin Falls Dam 0.77 0.09 0.33 Hancock Brook Lake 0.13 0.09 0.73 Hop Brook Lake 0.13 0.09 0.73 Hop Brook Lake 0.75 0.73 0.09 Knightville Dam 0.65 0.42 0.73 Hopkinton-Evereit Lake 0.65 0.42 0.42 Mansfeld Holiow Lake 0.65 0.42 0.42 Mansfeld Lake 0.65 0.42 0.42 North Harrland Lake 0.49 0.35 0.42 North Springfield Lake 0.63 0.43 0.28 North Springfield Lake 0.63 0.43 0.28 Townshend Lake 0.63 0.43 0.28 Townshend Lake 0.63 0.43 0.26 West Hill Dam 0.84 0.73 0.48 West Hill Dam		L	Colebrook River Lake	1.86	1.22	0.22	0.58	2.02
East Brimfield Lake 1.83 1.20 Edward Macdowell Lake 0.77 0.50 Franklin Falls Dam 0.05 0.09 Hancock Brook Lake 0.13 0.09 Hodges Village Dam 1.12 0.73 Hopkinton-Everett Lake 2.05 1.34 Knightwille Dam 0.58 0.25 Knightwille Dam 0.65 0.42 I Littleville Lake 0.65 0.42 Mansfield Hollow Lake 0.65 0.43 North Hartland Lake 0.43 0.28 North Springfield Lake 0.43 0.28 North Springfield Lake 0.65 0.43 Surry Mournain Lake 0.63 0.41 Townshend Lake 0.63 0.65 Tully Lake 0.63 0.61 West Hill Dam 0.53 0.48 West Hill Dam 0.63 0.44 West Thompson Lake 0.73 0.48 Awest Thompson Lake 0.73 0.44 Canal Gathright Dam-Lake Moomaw<		1	Conant Brook Dam	0.35	0.23	0.04	0.11	0.37
Edward Macdowell Lake 0.77 0.50 0.60 Franklin Falls Dam 0.13 0.09 0 Hancock Brook Lake 0.13 0.09 0 Hodges Village Dam 1.12 0.73 0 Hopkinton-Everett Lake 2.06 1.34 0 Knightwille Dam 0.38 0.25 0.42 Ithteville Lake 0.65 0.42 0.25 North Harland Lake 0.49 0.35 0.42 North Harland Lake 0.63 0.41 0.28 North Springfald Lake 0.63 0.41 0.76 Surry Mountain Lake 1.16 0.76 0.75 Thomaston Dam 1.33 0.22 0.75 Tully Lake 0.63 0.61 0.73 West III Dam 0.87 0.15 0.48 West III Dam 0.83 0.41 0.99 West III Dam 0.84 0.73 0.48 West III Dam 0.84 0.73 0.48 West III D		<u>. </u>	East Brimfield Lake	1.83	1.20	0.22	0.57	1.98
Franklin Falls Dann 0.50 0.33 0.09 Hancock Brook Lake 0.13 0.09 0 Hodges Village Dam 1.12 0.73 0 Hop Brook Lake 5.58 3.66 0.42 0 Krightville Dam 0.83 0.25 0.42 0 Krightville Lake 0.65 0.42 0 0 North Hartland Lake 0.49 0.32 0 0 North Martland Lake 0.49 0.28 0			Edward Macdowell Lake	0.77	0.50	60.0	0.24	0.84
Hancock Brook Lake 0.13 0.09 Hodges Village Dam 1.12 0.73 Hodges Village Dam 1.12 0.73 Hop Brook Lake 5.58 3.66 Krijdtville Dam 0.38 0.25 Krijdtville Dam 0.63 0.42 Krijdtville Lake 0.69 0.25 North Harland Lake 0.49 0.32 North Springfield Lake 0.49 0.28 North Springfield Lake 0.49 0.35 North Springfield Lake 0.63 0.26 North Springfield Lake 0.63 0.35 Otter Brook Lake 0.63 0.35 Otter Brook Lake 0.63 0.35 Townskend Lake 0.53 0.35 Townskend Lake 0.53 0.15 Union Village Dam West Hill Dam 0.93 0.61 West Hill Dam West Thompson Lake 0.73 0.15 West Momentarie and Ches and Dismal Swamp 4.44 2.91 Canal Gathright Dam-Lake Moomaw		1	Franklin Falls Dam	0.50	0.33	90.0	0.15	0.54
Hodges Village Dam 1.12 0.73 1.34 1.35			Hancock Brook Lake	0.13	60.0	0.02	0.04	0.14
Hop Brook Lake 2.05 1.34 0 Hopkinton-Everett Lake 5.58 3.66 0 Knightville Dam 0.38 0.25 0 Mansfleid Hollow Lake 0.65 0.42 0 Mansfleid Hollow Lake 0.49 0.32 0 North Springfield Lake 0.43 0.28 0 North Springfield Lake 0.63 0.41 0 North Springfield Lake 0.63 0.41 0 Sury Mountain Lake 1.16 0.76 0 Thomaston Dam 1.33 0.87 0 Townshend Lake 0.53 0.41 0 Visat Union Village Dam 0.53 0.15 0 West Hill Dam West Hill Dam 0.33 0.61 West Hill Dam West Hill Dam 0.33 0.61 West Walkemarle and Ches and Dismat Swamp 4.44 2.91 Canal Gathright Dam-Lake Moomaw 0.44 2.91 Erancis E Walter Dam 4.90 3.21		L	Hodges Village Dam	1.12	0.73	0.13	0.35	1.21
Hopkinton-Everett Lake 5.58 3.66 0 Knightville Dam 0.38 0.25 0 Littleville Lake 0.65 0.42 0 Mansfield Hollow Lake 0.49 0.32 0 North Hartland Lake 0.49 0.28 0 North Springfield Lake 0.63 0.41 0 North Springfield Lake 0.63 0.41 0 North Martian Lake 0.63 0.41 0 Surry Mountain Lake 1.16 0.76 1 Townshand Lake 0.53 0.15 0 Union Village Dam 0.53 0.15 0 West Hill Dam West Hill Dam 0.33 0.61 West Thompson Lake 0.73 0.48 0.61 West Thompson Lake AlW Albernarle and Ches and Dismal Swamp 4.44 2.91 AlW Albernarle and Ches and Dismal Swamp 4.44 2.91 AlW Albernarle and Ches and Dismal Swamp 4.44 2.91 Alw Belarville Lake 6.53 6.53		L	Hop Brook Lake	2.05	1.34	0.24	0.64	2.23
Kriightiville Dam 0.38 0.25 0 Littleville Lake 0.65 0.42 0 Mansfield Hollow Lake 0.49 0.32 0 North Hartland Lake 0.49 0.32 0 North Springfield Lake 0.43 0.28 0 North Infald Brook Lake 0.63 0.41 0 Otter Brook Lake 0.63 0.41 0 Surry Mountain Lake 1.16 0.76 0 Thomaston Dam 1.33 0.87 0 Townshend Lake 0.53 0.15 0 Union Village Dam 0.63 0.15 0 West Thompson Lake 0.73 0.48 0 AlW Albermarle and Ches and Dismal Swamp 4.44 2.91 0 Garbright Dam-Lake 6.74 0.29 0		L	Hopkinton-Everett Lake	5.58	3.66	99.0	1.74	90.9
Littleville Lake 0.65 0.42 Mansfield Hollow Lake 8.45 5.54 North Hartland Lake 0.49 0.32 North Springfield Lake 0.43 0.28 North Springfield Lake 0.63 0.41 North Springfield Lake 0.63 0.76 Otter Brook Lake 0.63 0.76 Surry Mountain Lake 1.16 0.76 Thomaston Dam 1.33 0.87 Townshend Lake 0.53 0.15 Union Village Dam 0.33 0.61 West Hill Dam 0.33 0.61 West Hill Dam 0.33 0.61 West Thompson Lake 0.73 0.48 West West Hill Dam 0.63 0.61 West West Hill Dam 0.84 0.29 West Mabemarle and Ches and Dismal Swamp 4.44 2.91 Canal Gathright Dam-Lake Moomaw 0.73 0.28 Spliue Marsh Lake 8.48 5.56 Francis E Walter Dam 1.90 2.56 <		<u> </u>	Knightville Dam	0.38	0.25	0.04	0.12	0.41
Mansfield Hollow Lake 8.45 5.54 North Hartland Lake 0.49 0.32 North Springfield Lake 0.43 0.28 North Springfield Lake 0.63 0.41 Northfield Brook Lake 0.63 0.41 Surry Mountain Lake 1.16 0.76 Thomaston Dam 1.33 0.87 Townshend Lake 0.53 0.15 Union Village Dam 0.23 0.15 West Hill Dam 0.33 0.61 West Hill Dam 0.33 0.61 West Thompson Lake 0.73 0.48 West Hill Dam 0.61 0.73 West Hill Dam 0.61 0.73 West Thompson Lake 0.73 0.48 Alw Albemarle and Ches and Dismal Swamp 4.44 2.91 Canal Gathright Dam-Lake Moomaw 0.74 0.29 Alw Albemark Lake 6.53 4.28 Francis E Walter Dam 4.90 3.21 IWWW Delaware R to Chesapeake Bay C + D Canal 0.84 0.55		<u> </u>	Littleville Lake	0.65	0.42	0.08	0.20	0.70
North Hartland Lake 0.49 0.32 North Springfield Lake 0.43 0.28 North Springfield Lake 0.53 0.35 Otter Brook Lake 0.63 0.41 Surry Mountain Lake 1.16 0.76 Thomaston Dam 1.33 0.87 Townshend Lake 0.53 0.15 Union Village Dam 0.53 0.15 West Hill Dam 0.33 0.22 West Thompson Lake 0.33 0.61 West Thompson Lake 0.33 0.61 Alw Albermarle and Ches and Dismal Swamp 4.44 2.91 Canal Gathright Dam-Lake Moomaw 0.48 4.28 Alw Albermarle Lake 6.53 4.28 4.28 Francis E Walter Dam 4.90 3.21 1.26 Iwww Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55	<u>.</u> , .	-	Mansfield Hollow Lake	8.45	5.54	1.00	2.64	9.18
North Springfield Lake 0.43 0.28 Northfield Brook Lake 0.53 0.35 Otter Brook Lake 0.63 0.41 Surry Mountain Lake 1.16 0.76 Thomaston Dam 1.33 0.87 Townshend Lake 0.53 0.15 Union Village Dam 0.33 0.15 West Hill Dam 0.93 0.61 West Thompson Lake 0.93 0.61 West Thompson Lake 0.73 0.48 Alw Albemarle and Ches and Dismal Swamp 4.44 2.91 Canal Gathright Dam-Lake Moomaw 0.44 0.29 Gathright Dam-Lake Moomaw 6.53 4.28 # Blue Marsh Lake 8.48 5.56 Francis E Walter Dam 4.90 2.56 IWWV Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55		L	North Hartland Lake	0.49	0.32	90.0	0.15	0.53
Northfield Brook Lake 0.53 0.35 Otter Brook Lake 0.63 0.41 Surry Mountain Lake 1.16 0.76 Thomaston Dam 1.33 0.87 Townshend Lake 0.53 0.35 Tully Lake 0.23 0.15 Union Village Dam 0.33 0.61 West Hill Dam 0.33 0.61 West Thompson Lake 0.33 0.61 Westville Lake 0.73 0.48 AlW Albernarle and Ches and Dismal Swamp 4.44 2.91 Canal 0.73 0.29 Gattright Dam-Lake Moomaw 0.44 0.29 AlW Belice Marsh Lake 6.53 4.28 Francis E Walter Dam 4.90 3.21 IWWV Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55	_	I	North Springfield Lake	0.43	0.28	0.05	0.13	0.47
Otter Brook Lake 0.63 0.41 Surry Mountain Lake 1.16 0.76 Thomaston Dam 1.33 0.87 Townshend Lake 0.53 0.35 Tully Lake 0.23 0.15 Union Village Dam 0.23 0.15 West Hill Dam 0.33 0.61 West Thompson Lake 1.51 0.99 West Ille Lake 0.73 0.48 AlW Albernarle and Ches and Dismal Swamp 4.44 2.91 Canal Gathright Dam-Lake Moomaw 0.44 0.29 Alw Blue Marsh Lake 6.53 4.28 Francis E Walter Dam 4.90 3.21 IWWV Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.64 0.55	•	<u></u>	Northfield Brook Lake	0.53	0.35	90.0	0.16	0.57
Surry Mountain Lake 1.16 0.76 Thomaston Dam 1.33 0.87 Townshend Lake 0.53 0.35 Tully Lake 0.23 0.15 Union Village Dam 0.33 0.22 West Hill Dam 0.93 0.61 West Thompson Lake 0.73 0.48 West Thompson Lake 0.73 0.48 AlW Albernarie and Ches and Dismal Swamp 4.44 2.91 Canal Gathright Dam-Lake Moomaw 0.44 0.29 Canal Gathright Dam-Lake Moomaw 0.44 0.29 Phia Beltzville Lake 6.53 4.28 Francis E Walter Dam 8.48 5.56 Francis E Walter Dam 4.90 3.21 IWW Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55		L	Otter Brook Lake	0.63	0.41	0.07	0.20	69:0
Thomaston Dam 1.33 0.87 Townshend Lake 0.53 0.35 Tully Lake 0.23 0.15 Union Village Dam 0.33 0.15 West Hill Dam 0.93 0.61 West Thompson Lake 1.51 0.99 Westville Lake 0.73 0.48 AlW Albernarle and Ches and Dismal Swamp 4.44 2.91 Canal Gathright Dam-Lake Moomaw 0.44 0.29 Gathright Dam-Lake Moomaw 6.53 4.28 Francis E Walter Dam 8.48 5.56 Francis E Walter Dam 4.90 3.21 IWW Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55		L	Surry Mountain Lake	1.16	0.76	0.14	0.36	1.26
Townshend Lake 0.53 0.35 Tully Lake 0.23 0.15 Union Village Dam 0.33 0.22 West Hill Dam 0.93 0.61 West Thompson Lake 1.51 0.99 Westville Lake 0.73 0.48 AlW Albemarle and Ches and Dismal Swamp 4.44 2.91 Canal 6athright Dam-Lake Moomaw 0.44 0.29 Gathright Dam-Lake Moomaw 6.53 4.28 Francis E Walter Dam 8.48 5.56 Francis E Walter Dam 4.90 3.21 IWW Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55		ļ <u>.</u>	Thomaston Dam	1.33	0.87	0.16	0.42	1.45
Tully Lake 0.23 0.15 Union Village Dam 0.33 0.22 West Hill Dam 0.93 0.61 West Thompson Lake 1.51 0.99 Westville Lake 0.73 0.48 AlW Albernarle and Ches and Dismal Swamp 4.44 2.91 Canal 6athright Dam-Lake Moomaw 0.44 0.29 Gathright Dam-Lake Moomaw 6.53 4.28 Francis E Walter Dam 8.48 5.56 Francis E Walter Dam 4.90 3.21 IWW Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55		L	Townshend Lake	0.53	0.35	90.0	0.16	0.57
Union Village Dam 0.33 0.22 West Hill Dam 0.93 0.61 West Thompson Lake 1.51 0.99 Westville Lake 0.73 0.48 AIW Albemarle and Ches and Dismal Swamp 4.44 2.91 Canal 6athright Dam-Lake Moomaw 0.44 0.29 Gathright Dam-Lake 6.53 4.28 Francis E Walter Dam 8.48 5.56 Francis E Walter Dam 4.90 3.21 IWW Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55			Tully Lake	0.23	0.15	0.03	0.07	0.25
West Hill Dam 0.93 0.61 West Thompson Lake 1.51 0.99 Westville Lake 0.73 0.48 AIW Albernarle and Ches and Dismal Swamp 4.44 2.91 Canal 0.44 0.29 Gathright Dam-Lake Moomaw 0.44 0.29 phia Beltzville Lake 6.53 4.28 # Blue Marsh Lake 8.48 5.56 Francis E Walter Dam 4.90 3.21 IWWV Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55		L	Union Village Dam	0.33	0.22	0.04	0.10	0.36
West Thompson Lake 1,51 0.99 Westville Lake 0.73 0.48 AIW Albernarle and Ches and Dismal Swamp 4.44 2.91 Canal 0.44 0.29 Gathright Dam-Lake Moomaw 0.44 0.29 Plue Marsh Lake 6.53 4.28 Francis E Walter Dam 4.90 3.21 IWW Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55		ļ	West Hill Dam	0.93	0.61	0.11	0.29	1.01
Westville Lake 0.73 0.48 AIW Albemarle and Ches and Dismal Swamp 4.44 2.91 Canal 0.44 0.29 Gathright Dam-Lake Moomaw 6.53 4.28 phia Beltzville Lake 8.48 5.56 Francis E Walter Dam 4.90 3.21 IWW Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55		L.,	West Thompson Lake	1.51	0.99	0.18	0.47	1.64
AlW Albemarle and Ches and Dismal Swamp Canal Gathright Dam-Lake Moomaw phia Beltzville Lake # Blue Marsh Lake Francis E Walter Dam IWW Delaware R to Chesapeake Bay C + D Canal Strompton Lake Prompton Lake 0.84 2.91 0.29 4.28 4.28 5.56 3.21 0.84 0.55				0.73	0.48	60.0	0.23	0.80
Gathright Dam-Lake Moomaw 0.44 0.29 Beltzville Lake 6.53 4.28 # Blue Marsh Lake 8.48 5.56 Francis E Walter Dam 4.90 3.21 IWWV Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55	Norfolk	¥	bemarle and	4.44	2.91	0.52	1.39	4.83
# Blue Marsh Lake # Blue Marsh Lake Francis E Walter Dam # WW Delaware R to Chesapeake Bay C + D Canal Prompton Lake 6.53 8.48 7.56 3.21 0.55			ght Dam-Lake	0.44	0.29	0.05	0.14	0.48
Blue Marsh Lake 8.48 5.56 Francis E Walter Dam 4.90 3.21 IWW Delaware R to Chesapeake Bay C + D Canal 3.90 2.56 Prompton Lake 0.84 0.55	Philade	elphia	Beltzville Lake	6.53	4.28	0.77	2.04	60'.2
m 4.90 3.21 Chesapeake Bay C + D Canal 3.90 2.56 0.84 0.55				8.48	5.56	1.00	2.65	9.22
Chesapeake Bay C + D Canal 3.90 2.56 0.84 0.55	-		Francis E Walter Dam	4.90	3.21	0.58	1.53	5.32
0.84 0.55				3.90	2.56	0.46	1.22	4.24
			Prompton Lake	0.84	0.55	0.10	0.26	0.91
								(Sheet 7 of 15)

			Total Spending		Sales E	Sales Effects (\$MM)	
Division District	Project		(\$MM)	Direct	Indirect	Induced	Total
T	Blu	Blue Springs Lake	4.26	2.79	0.50	1.33	4.63
	5	Clinton Lake	13.21	8.67	1.56	4.13	14.36
	Ha	Harlan County Lake	8.12	5.33	96.0	2.54	8.82
	# Ha	Harry S Truman Dam and Reservoir	31.28	20.52	3.69	9.78	33.98
			4.48	2.94	0.53	1.40	4.86
	Ka	Kanopolis Lake	3.13	2.05	0.37	0.98	3.40
	اق	Long Branch Lake	4.15	2.72	0.49	1.30	4.51
	اَدَ	Longview Lake	10.35	6.79	1.22	3.24	11.25
	Me	Melvern Lake	6.03	3.95	0.71	1.88	6.55
	# #	Milford Lake	7.78	5.10	0.92	2.43	8.45
		Perry Lake	12.95	8.49	1.53	4.05	14.07
	# Po	Pomme De Terre Lake	30.11	19.75	3.56	9.41	32.72
		Pomona Lake	8.93	5.86	1.05	2.79	9.70
	#	Rathbun Lake	9.05	5.94	1.07	2.83	9.83
		Smithville Lake	19.94	13.08	2.35	6.23	21.67
		Stockton Lake	18.41	12.08	2.17	5.76	20.01
	12	Tuttle Creek Lake	9.04	5.93	1.07	2.83	9.83
	M	Wilson Lake	3.27	2.14	0.39	1.02	3.55
Omaha	Ä	Bear Creek Lake	4.48	2.57	0.25	0.71	3.53
	#	Big Bend Dam Lake Sharpe	18.11	11.88	2.14	5.66	19.68
	<u></u>	Bluestem Lake	0.27	0.18	0.03	0.08	0.29
	Ä	Bowman Haley Lake	0.49	0.32	90.0	0.15	0.53
	à	Branched Oak Lake	3.28	2.15	0.39	1.03	3.57
	#	Chatfield Lake	23.90	14.83	2.26	6.16	23.26
	#	Cherry Creek Lake	42.39	27.81	5.00	13.25	46.06
	Ŏ	Cold Brook Lake	0.47	0.31	90.0	0.15	0.51
	Ŏ	Conestoga Lake	0.49	0.32	90.0	0.15	0.54
	Ŏ	Cottonwood Springs Lake	0.10	0.07	0.01	0.03	0.11
	I L	Fort Peck Project	5.59	3.67	99.0	1.75	6.08
	IĘ.	Fort Randall Dam Lake Francis Case	12.93	8.48	1.53	4.04	14.05
	Ö	Garrison Dam Lake Sakakawea	21.95	14.40	2.59	6.86	23.85
	#	Gavins Point Project	24.72	13.75	1.50	3.63	18.89
	(Clana Cuppingham Lake	211	1.39	0.25	0.66	2.30

Table E2 (Continued	Sontinued)						
noision of	10111		Total Spending		Sales Ef	Sales Effects (\$MM)	
DIVISION	DISTRICT	Project	(\$MM)	Direct	Indirect	Induced	Total
NWD (cont) Omaha (cont)	naha (cont)	Holmes Lake	5.24	3.44	0.62	1.64	5.69
		# Oahe Dam Lake Oahe	24.96	16.37	2.95	7.80	27.12
		Olive Creek Lake	0.19	0.12	0.02	90.0	0.21
		Pawnee Lake	1.92	1.26	0.23	09.0	2.08
		Pipestem Lake	1.14	0.75	0.13	0.36	1.24
		Site 10 Yankee Hill Lake Saltcreek Tributary	0.26	0.17	0.03	0.08	0.28
		Snyder-Winnebago	1.10	0.72	0.13	0.34	1.20
		Stagecoach Lake	0.22	0.15	0.03	0.07	0.24
		Standing Bear Lake	1.41	0.92	0.17	0.44	1.53
		Twin Lakes	0.23	0.15	0.03	0.07	0.25
		Wagontrain Lake	0.32	0.23	90.0	0.11	0.39
		Wehrspann Lake	3.91	2.56	0.46	1.22	4.24
		Zorinsky Lake	4.66	3.06	0.55	1.46	5.06
Po	Portland	Blue River Lake	0.74	0.48	60.0	0.23	0.80
		i# Bonneville Lock and Dam	41.82	27.43	4.94	13.07	45.44
		Cottage Grove Lake	7.08	4.65	0.84	2.21	7.70
		Cougar Lake	0.99	0.65	0.12	0.31	1.07
		Detroit Lake	0.35	0.23	0.04	0.11	0.38
		Dexter Lake	7.75	5.07	0.91	2.59	8.57
		Dorena Lake	5.49	3.60	0.65	1.72	5.96
		Fall Creek Lake	0.92	0.58	0.09	0.29	0.96
		Fern Ridge Lake	13.59	8.91	1.60	4.25	14.76
		Foster Lake	8.66	5.68	1.02	2.71	9.41
		Green Peter Lake	4.37	2.87	0.52	1.37	4.75
		Hills Creek	0.20	0.13	0.02	90.0	0.22
		# John Day Lock and Dam, Lake Umatilla	30.25	19.84	3.57	9.45	32.87
		Lookout Point Lake	2.39	1.57	0.28	0.75	2.60
		Lost Creek Lake	9.23	6.05	1.09	2.88	10.03
		# The Dalles Lock and Dam, Lake Celilo	14.99	9.83	1.77	4.69	16.29
		Willamette Falls Locks	0.76	0:20	60.0	0.24	0.82
		Willow Creek	09:0	0.39	0.07	0.19	0.65
							(Sheet 9 of 15)

Mobile Defrict Project Albeir Element Albeir Project Albeir Element Albeir Project Albeir Element Chelle 2.85 2.55 0.45 1.20 4.19 4.19 2.30 4.19 2.30 4.41 0.264 1.20 4.19 2.30 4.19 0.244 1.41 0.264 1.20 4.19 1.20 4.19 0.244 1.20 4.19 0.244 1.20 4.10 0.244 1.20 4.10 0.244 1.20 4.10 0.244 1.20 4.20 0.244 1.20 4.20 0.244 1.20 0.244	Table E2	Table E2 (Continued)				27 -1-0	Canal (Chana)	
Albent Falls Dan and Lake Pend Oreille 3.85 2.53 0.45 1.20 Chief Joseph Dan and Rufus Woods Lake 1.20 1.44 0.26 0.69 Chief Joseph Dan and Rufus Woods Lake 1.20 1.41 0.26 0.69 Lake Washington Ship Canal 21.81 2.56 0.45 1.42 0.44 1.42 0.44 0.45	Division	District	Project	(\$MM)	Direct	Indirect	Induced	Total
Chief Joseph Dam and Rufus Woods Lake 2.20 1.44 0.26 0.69 Kystone Hobor Time 7.584 1.47 3.74 3.74 Libby Dam and Lake Koocanusa 3.89 2.55 0.46 1.22 Muld Mountain Dam Project White River 1.44 0.94 0.17 0.45 Ititle Goose Lock & Dam, Lake Broyan 3.51 2.30 0.88 2.38 0.88 2.37 0.97 Ititle Goose Lock & Dam, Lake West 1.58 1.022 1.84 4.87 0.97 0.97 Ititle Goose Lock & Dam, Lake West 1.58 1.022 1.84 0.97 0.97 Ititle Goose Lock & Dam, Lake West 1.58 1.60 0.37 0.97 0.97 Lucky Peak Lake Damman Lake West 1.58 1.58 0.30 0.86 0.65 1.84 4.87 Mill Creek Lakes Damman Lake Malana River Lakes 0.86 0.77 0.71 0.20 Alabama River Lakes Caliborne 3.61 2.37 0.44 0.71 0.71	NWD (cont)	Seattle	eni Falls Dam and	3.85	2.53	0.45	1.20	4.19
Check Figure Harbor 1195 784 141 3.74 Lake Wastingon Ship Canals 2.85 0.46 1.25 Lake Wastingon Ship Canals 2.85 0.46 1.25 Lake Maintenin Dam Project White River 1.44 0.94 0.17 0.45 Lake Coose Lock & Dam, Lake Bryan 3.11 2.04 0.37 0.87 Lucty Deak Lake 1.45 0.41 1.10 Harbor Lock & Dam, Lake Wastin 1.85 1.022 1.84 4.87 Lucty Peak Lake 2.86 1.80 0.30 0.80 Lucky Monumental Lock & Dam, Lake Wastin 2.88 3.83 6.95 18.41 Alaska Chera River Lakes 2.80 1.80 0.27 0.17 Alaska Chera River Lakes 2.80 0.88 0.25 0.86 Lucky Roer Lake 2.80 0.88 0.25 0.10 0.27 Lucky Beak Lake 2.80 0.88 0.25 0.44 1.16 Alaska Chera River Lakes Clainone 0.88 0.27 0.41 1.25 Lucky Beak River Lakes Clainone 0.88 0.25 0.41 1.25 Luck Okeechobee and Waterway 112.77 7.337 13.31 2.22 0.46 Alaska Alasana River Lakes Clainone 0.88 0.35 0.41 0.37 0.25 Luke Okeechobee and Waterway 112.77 7.337 1.26 2.08 0.86 Alasana River Lakes Clainone 0.88 0.44 0.07 0.27 Lake Okeechobee and Waterway 112.77 7.337 1.26 2.08 0.86 Alasana River Lakes Clainone 0.88 0.44 0.07 0.27 Lake Stemmole 0.88 0.44 0.90 0.44 0.44 Halbana River Lakes Clainone 0.88 0.44 0.90 0.44 0.80 Lake Stemmole 0.88 0.40 0.80 0.44 0.80 0.44 Halbana River Lakes Waterway 0.88 0.40 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.80 0.44 0.			Chief Joseph Dam and Rufus Woods Lake	2.20	1.44	0.26	69.0	2.39
Lake Washington Ship Canal 2181 14.31 2.58 6.82 Lubby Dam and Lake Kosaninasa 3.89 2.35 0.46 0.17 0.45 Lubby Dam and Lake Kosaninasa 3.51 2.30 0.41 1.10 Mudd Mountain Dam Project White River 3.51 2.30 0.41 1.10 Ice Harbor Lock & Dam, Lake Bryan 7.45 4.89 0.88 2.33 Lucker Mornimental Lock & Dam, Lake Wast 2.56 1.62 1.84 4.87 Lover Mornimental Lock & Dam, Lake Wast 2.56 1.68 0.30 0.80 Lover Mornimental Lock & Dam, Lake Wast 2.56 1.68 0.30 0.80 Mohale Lock & Dam, Lake Waltules 2.28 1.60 0.27 0.71 Alaska Coffera River Lakes Waltules 2.28 1.50 0.27 0.71 Mohale Tock Luke Four River Basins 3.70 0.44 0.75 0.10 0.27 Lucko Wast Lake Waltules 3.70 0.44 0.75 0.10 0.27 Lucko Wast Lake Waltules 3.70 0.44 0.75 0.10 0.27 Lucko Wast Lake Waltules 0.86 0.57 0.10 0.27 0.10 Harborn River Lakes Claiborne 0.89 0.41 0.07 0.20 0.20 Mobile # Alabama River Lakes Claiborne 0.89 0.41 0.07 0.20 0.41 # Alabama River Lakes Dannelly 3.02 0.41 0.07 0.20 0.80 # Alabama River Lakes Dannelly 0.73 0.44 0.07 0.20 0.80 # Alabama River Lakes Woodruff 0.78 0.446 0.35 0.46 0.30 0.44 0.30 0.44 0.30 0.44 # Lake Seminole 1.10 0.71 0.70 0.20 0.40			Keystone Harbor	11.95	7.84	1.41	3.74	12.99
Libby Dam and Lake Koocanusa			Lake Washington Ship Canal	21.81	14.31	2.58	6.82	23.70
Mud Mountain Dam Project White River 1.44 0.94 0.17 0.45 Walla Walla # Duvishak Dam & Reservoir 3.51 2.30 0.41 1.10 Ince Halbor Lock & Dam, Lake Sacajawea 7.45 4.89 0.88 2.39 Like Goose Lock & Dam, Lake Sacajawea 1.5.68 1.02 1.84 4.87 Like Goose Lock & Dam, Lake Well Lake 1.5.68 1.02 1.84 4.87 Lover Granifa Lock & Dam, Lake Well Lake 1.5.68 1.62 0.30 0.80 Lucky Peak Lake 1.00 2.79 1.58 0.30 0.80 Jackson/lile Fernandina Harbor 2.10 1.38 0.25 0.10 Jackson/lile Fernandina Harbor 3.70 2.43 0.44 1.15 Jackson/lile Fernandina Harbor 0.36 0.57 0.10 0.27 Jackson/lile Fernandina Harbor 0.36 0.41 0.07 0.25 Jackson/lile Fernandina Harbor 0.36 0.57 0.10 0.25 Ja			Libby Dam and Lake Koocanusa	3.89	2.55	0.46	1.22	4.23
Walle Walle # Dworshak Dam & Reservoir 3.51 2.00 0.41 1.10 Inch Hordron Lock & Dam, Lake Bscaljawea 7.45 4.89 0.68 2.33 Inch Bordron Lock & Dam, Lake Bsyan 3.11 2.04 0.37 0.97 Ith Cover Monumental Lock & Dam, Lake West 2.56 1.68 0.30 0.60 Lucky Pack Lake Lower Monumental Lock & Dam, Lake West 2.56 1.68 0.30 0.60 Mill Creak Lake Mill Creak Lake Lower Monumental Lock & Dam, Lake West 2.28 1.50 0.27 0.71 Alaska Chenr River Lake Chenr River Lake 2.10 1.38 0.25 0.71 Mill Creak Lake Chenr River Lakes Chenr River Lakes 0.65 0.27 0.71 0.71 Alaskan Chenr River Lakes Chalbome 0.63 0.41 0.07 0.20 Mobile Alabama River Lakes Wardron and Tombigbee Lakes 6.63 7.43 1.13 Alabama River Lake Black Wardron Lake 6.78 0.44 0.60 0.74			Mud Mountain Dam Project White River	1.44	0.94	0.17	0.45	1.56
Total Harbor Lock & Dam, Lake Sacajawea 745 4.89 0.88 2.33		Walla Walla		3.51	2.30	0.41	1.10	3.81
Little Goose Lock & Dam, Lake Bryan 3.11 2.04 0.37 0.97			1	7.45	4.89	0.88	2.33	8.10
# Lower Granite Lock & Dann, Lake West 15.56 1.68 0.30 0.80 Lower Monumental Lock & Dann, Lake West 2.56 1.68 0.30 0.80 Lower Monumental Lock & Dann, Lake Wellula 11.82 7.93 2.23 5.61 # Mill Creek Lake 2.28 3.63 6.95 16.11 Mill Creek Lake 2.10 1.38 0.25 0.71 Four River Lakes 2.10 1.38 0.25 0.66 Lake Okeechobee and Waterway 112.77 73.97 13.31 35.25 Mamir Harbor 2.68 3.61 2.37 0.41 1.16 Alabama River Lakes Claiborne 3.61 2.37 0.43 1.13 Alabama River Lakes Bannelly 2.68 17.85 2.78 5.90 # Alabama River Lakes Woodruff 2.68 17.85 2.081 Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 2.081 # Lake Sidney Lanier 1.26.97 44.45 0.80 2.12 Canters Lake Gainrole 66.57 43.66 7.86 2.081 # Lake Sidney Lanier 1.26.97 84.19 16.82 45.59 Tennessee-Tombigbee Waterway 41.12 4.68 Tennessee-Tombigbee Waterway 41.12 4.68 4.19 4.10 Walter F. George Lake 36.18 23.16 3.94 # Walter F. George Lake 36.18 23.16 3.97 10.34 # Walter F. George Lake 36.18 23.16 3.97 10.34 # Walter F. George Lake 36.18 23.16 3.97 10.34 # Wasti Point Project 36.18 23.16 3.97 10.34			Little Goose Lock & Dam, Lake Bryan	3.11	2.04	0.37	0.97	3.38
Lower Monumental Lock & Dam, Lake West 2.56 1.68 0.30 0.80 Lucky Peak Lake			ı	15.58	10.22	1.84	4.87	16.93
Lucky Peak Lake			Lower Monumental Lock & Dam, Lake West	2.56	1.68	0:30	0.80	2.78
# MoNary Lock & Dam, Lake Walluja 56.89 38.63 6.95 18.41 Mill Creek Lake			Lucky Peak Lake	11.82	7.93	2.23	5.61	15.77
Alaska Chena River Lakes 2.28 1.50 0.27 0.71 Jacksonville Fernandria Harbor 0.86 0.57 0.10 0.66 Mobile Four River Basins 3.70 2.43 0.74 1.16 Mobile Alabama River Lakes Claiborne 0.63 0.41 0.74 1.16 Mobile Alabama River Lakes Claiborne 3.61 2.37 0.43 1.13 A Alabama River Lakes Claiborne 3.61 2.37 0.43 1.13 # Alabama River Lakes Dannelly 30.28 18.87 2.78 5.90 # Alabama River Lakes Woodruff 2.68 17.83 3.59 6.46 Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 2.12 George W. Andrews Lake 6.78 4.45 0.80 2.12 # Lake Semirole 10.71 7.03 1.26 4.58 A Lake Sidrey Larier 17.09 10.60 1.77 4.68 A Lake Sidrey Lake 17.09 10.60 1.77				58.89	38.63	6.95	18.41	63.99
Alaska Chena River Lakes 2.10 1.38 0.25 0.66 Jacksonville Fernandina Harbor 0.96 0.57 0.10 0.27 I Lake Okeechobee and Waterway 112.77 73.97 13.31 35.25 Mobile Alabama River Lakes Claiborne 0.63 0.41 0.07 0.20 # Alabama River Lakes Dannelly 30.28 18.87 2.78 5.90 6.46 # Alabama River Lakes Woodruff 26.89 17.83 3.59 6.46 6.46 # Allatoona Lake Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 20.81 Carters Lake Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 20.81 # Lake Seminole 17.09 10.60 1.63 3.94 # Lake Sidney Lanier 17.09 44.55 0.80 2.12 # Walter F. George Lake 67.8 94.19 16.82 45.59 I Tennessee-Tombigbee Waterway 111.27 66.04 10.24 24.87 I#			Mill Creek Lake	2.28	1.50	0.27	0.71	2,48
Jacksonville Fernandina Harbor 0.86 0.57 0.10 0.27 I Lake Okeechobee and Waterway 112.77 2.43 0.44 1.16 Mobile Alabama River Lakes Claiborne 3.61 2.37 0.43 1.13 # Alabama River Lakes Dannelly 30.26 1.87 2.78 5.90 # Alabama River Lakes Woodruff 26.89 17.83 3.59 6.46 # Alatoona Lake 94.46 63.53 13.11 22.42 Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 20.81 Carters Lake 66.57 43.66 7.86 20.81 George W. Andrews Lake 6.78 4.45 0.80 2.12 # Lake Seminole 17.09 10.50 1.63 4.68 Contistible Lake 17.09 84.19 16.82 4.68 Mobile Lake Sidney Lanier 17.09 10.60 1.63 4.68 I Alatoona Lake Contracts Lake 14.59 84.19 16.24 4.68	POD	Alaska	Chena River Lakes	2.10	1.38	0.25	0.66	2.28
Four River Basins 3.70 2.43 0.44 1.16 I Lake Okeechobee and Waterway 112.77 73.97 13.31 35.25 Miami Harbor 0.63 0.41 0.07 0.20 Mobile Alabama River Lakes Claiborne 3.61 2.37 0.43 1.13 # Alabama River Lakes Dannelly 30.28 18.87 2.78 5.90 # Alabama River Lakes Woodruff 26.89 17.83 3.59 6.46 Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 20.81 Carters Lake 66.57 43.66 7.86 20.81 George W. Andrews Lake 6.78 4.45 0.80 2.12 # Lake Seminole 17.09 10.60 1.63 3.94 # Lake Sidney Lanier 12.99 84.19 16.82 45.59 B Lake Sidney Lanier 14.97 9.82 1.77 4.68 I Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.20 # West Point Project # West Poin	SAD	Jacksonville	Fernandina Harbor	0.86	29.0	0.10	0.27	0.94
i Lake Okeechobee and Waterway 112.77 73.97 13.31 35.25 Miami Harbor 0.63 0.41 0.07 0.20 # Alabama River Lakes Claiborne 3.61 2.37 0.43 1.13 # Alabama River Lakes Dannelly 30.28 18.87 2.78 5.90 # Alabama River Lakes Woodruff 26.89 17.83 3.59 6.46 # Allatoona Lake 66.57 43.66 7.86 20.81 Black Warrior and Tombigbee Lake 66.57 43.66 7.86 20.81 George W. Andrews Lake 6.78 4.45 0.80 2.12 # Lake Seminole 17.09 10.60 1.63 3.94 # Lake Sidney Lanier 12.97 84.19 16.82 45.59 Okatibbee Lake 17.79 9.82 1.77 4.68 Image: Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 # West Point Project 3.97 10.34 10.34			Four River Basins	3.70	2.43	0.44	1.16	4.02
Milami Harbor 0.63 0.41 0.07 0.20 # Alabama River Lakes Claiborne 3.61 2.37 0.43 1.13 # Alabama River Lakes Dannelly 30.28 18.87 2.78 5.90 # Alabama River Lakes Woodruff 26.89 17.83 3.59 6.46 Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 20.81 Carters Lake 66.57 43.66 7.86 20.81 George W. Andrews Lake 6.78 4.45 0.80 2.12 # Lake Seminole 17.09 10.60 1.63 3.94 # Lake Sidney Lanier 125.97 84.19 16.82 45.59 Okatibbee Lake 14.97 9.82 1.77 4.68 I Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 West Point Project 36.18 23.16 10.34 10.34			! Lake Okeechobee and Waterway	112.77	73.97	13.31	35.25	122.53
# Alabama River Lakes Claiborne 3.61 2.37 0.43 1.13 # Alabama River Lakes Dannelly 30.28 18.87 2.78 5.90 # Alabama River Lakes Woodruff 26.89 17.83 3.59 6.46 # Allatoona Lake 94.46 63.53 13.11 22.42 Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 20.81 George W. Andrews Lake 6.78 4.45 0.80 2.12 # Lake Seminole 17.09 10.60 1.63 3.94 # Cokatibbee Lake 14.97 84.19 16.82 45.59 Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 West Point Project 36.18 23.16 3.97 10.34			Miami Harbor	0.63	0.41	0.07	0.20	0.69
Alabama River Lakes Dannelly 30.28 18.87 2.78 5.90 Alabama River Lakes Woodruff 26.89 17.83 3.59 6.46 Allatoona Lake 94.46 63.53 13.11 22.42 Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 20.81 Carters Lake 6.78 4.45 0.80 2.12 Lake Seminole 17.09 10.60 1.63 3.94 Lake Sidney Lanier 125.97 84.19 16.82 45.59 Okatibbee Lake 14.97 9.82 1.77 4.68 Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 West Point Project 36.18 23.16 3.97 10.34		Mobile	Alabama River Lakes Claiborne	3.61	2.37	0.43	1.13	3.93
Alabama River Lakes Woodruff 26.89 17.83 3.59 6.46 Allatoona Lake 94.46 63.53 13.11 22.42 Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 20.81 Carters Lake 10.71 7.03 1.26 3.35 George W. Andrews Lake 6.78 4.45 0.80 2.12 Lake Seminole 17.09 10.60 1.63 3.94 Lake Sidney Lanier 125.97 84.19 16.82 45.59 Okatibbee Lake 14.97 9.82 1.77 4.68 Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 West Point Project 36.18 23.16 3.97 10.34				30.28	18.87	2.78	5.90	27.55
Allatoona Lake 94.46 63.53 13.11 22.42 Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 20.81 Carters Lake 10.71 7.03 1.26 3.35 George W. Andrews Lake 6.78 4.45 0.80 2.12 Lake Seminole 17.09 10.60 1.63 3.94 Lake Sidney Lanier 125.97 84.19 16.82 45.59 Okatibbee Lake 14.97 9.82 1.77 4.68 Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 West Point Project 36.18 23.16 3.97 10.34				26.89	17.83	3.59	6.46	27.87
Black Warrior and Tombigbee Lakes 66.57 43.66 7.86 20.81 Carters Lake 10.71 7.03 1.26 3.35 George W. Andrews Lake 6.78 4.45 0.80 2.12 Lake Seminole 17.09 10.60 1.63 3.94 Lake Sidney Lanier 125.97 84.19 16.82 45.59 Okatibbee Lake 14.97 9.82 1.77 4.68 Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 Walter F. George Lake 111.27 66.04 10.24 24.87 West Point Project 36.18 23.16 3.97 10.34				94.46	63.53	13.11	22.42	99.06
Carters Lake 10.71 7.03 1.26 3.35 George W. Andrews Lake 6.78 4.45 0.80 2.12 Lake Seminole 17.09 10.60 1.63 3.94 Lake Sidney Lanier 125.97 84.19 16.82 45.59 Okatibbee Lake 14.97 9.82 1.77 4.68 Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 Walter F. George Lake 111.27 66.04 10.24 24.87 West Point Project 36.18 23.16 3.97 10.34			Black Warrior and Tombigbee Lakes	66.57	43.66	7.86	20.81	72.33
George W. Andrews Lake 6.78 4.45 0.80 2.12 Lake Seminole 17.09 10.60 1.63 3.94 Lake Sidney Lanier 125.97 84.19 16.82 45.59 Okatibbee Lake 14.97 9.82 1.77 4.68 Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 Walter F. George Lake 111.27 66.04 10.24 24.87 West Point Project 36.18 23.16 3.97 10.34			Carters Lake	10.71	7.03	1.26	3.35	11.64
Lake Seminole 17.09 10.60 1.63 3.94 Lake Sidney Lanier 125.97 84.19 16.82 45.59 Okatibbee Lake 14.97 9.82 1.77 4.68 Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 Walter F. George Lake 111.27 66.04 10.24 24.87 West Point Project 36.18 23.16 3.97 10.34				6.78	4.45	0.80	2.12	7.37
Lake Sidney Lanier 125.97 84.19 16.82 45.59 Okatibbee Lake 14.97 9.82 1.77 4.68 Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 Walter F. George Lake 111.27 66.04 10.24 24.87 West Point Project 36.18 23.16 3.97 10.34				17.09	10.60	1.63	3.94	16.17
Okatibbee Lake 14.97 9.82 1.77 4.68 Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 Walter F. George Lake 111.27 66.04 10.24 24.87 West Point Project 36.18 23.16 3.97 10.34				125.97	84.19	16.82	45.59	146.59
Tennessee-Tombigbee Waterway 51.89 34.03 6.13 16.22 Walter F. George Lake 111.27 66.04 10.24 24.87 West Point Project 36.18 23.16 3.97 10.34			Okatibbee Lake	14.97	9.82	1.77	4.68	16.26
Walter F. George Lake 111.27 66.04 10.24 24.87 West Point Project 36.18 23.16 3.97 10.34			! Tennessee-Tombigbee Waterway	51.89	34.03	6.13	16.22	56.38
West Point Project 36.18 23.16 3.97 10.34				111.27	66.04	10.24	24.87	101.16
(Sheet 10 of 1				36.18	23.16	3.97	10.34	37.47
								(Sheet 10 of 15)

Table E2	Table E2 (Continued)							
i		,		Total Spending		Sales Eff	Sales Effects (\$MM)	
Division	District	Prc	Project	(\$MM)	Direct	Indirect	Induced	Total
SAD (cont)	Savannah	进	Hartwell Lake	164.26	109.90	22.40	51.06	183.35
		#	J. Strom Thurmond Lake	100.84	64.58	12.15	28.97	105.70
			New Savannah Bluff Lock and Dam	1.86	1.22	0.22	0.58	2.03
			Richard B Russell Dam and Lake	19.85	13.02	2.34	6.20	21.56
	Wilmington	#	B Everett Jordan Dam and Lake	19.72	12.79	1.66	4.65	19.09
			Cape Fear River <3 Locks and Dams>	0.98	0.65	0.12	0.31	1.07
		#	Falls Lake	9.32	9.00	0.76	2.10	8.87
		#	John H Kerr Dam and Reservoir	40.83	24.68	3.76	12.09	40.52
		#	Philpott Lake	14.02	8.33	1.01	3.44	12.78
		#	W Kerr Scott Dam and Reservoir	17.14	10.58	1.12	3.94	15.65
SPD	Albuquerque		Abiquiu Dam	1.26	0.83	0.15	0.39	1.37
			Cochiti Lake	3.92	2.57	0.46	1.22	4.26
			Conchas Lake	2.45	1.61	0.29	0.77	2.66
			Galisteo Dam	90.0	0.04	0.01	0.02	0.07
			Jemez Canyon Dam	0.23	0.15	0.03	0.07	0.24
			John Martin Dam	4.73	3.10	0.56	1.48	5.13
			Santa Rosa Dam and Lake	1.21	0.79	0.14	0.38	1.32
			Trinidad Lake	2.16	1.42	0.26	0.68	2.35
			Two Rivers Dam	0.02	0.02	0.00	0.01	0.03
	Los Angeles		Alamo Lake	5.28	3.46	0.62	1.65	5.74
			Brea Dam	3.78	2.48	0.45	1.18	4.10
			Carbon Canyon Dam	3.41	2.24	0.40	1.07	3.71
			Fullerton Dam	3.83	2.51	0.45	1.20	4.16
		#	Hansen Dam	14.79	12.23	3.09	6.63	21.95
			Mojave River Dam	0.26	0.17	0.03	0.08	0.28
			Painted Rock Dam	0.00	00.00	0.00	0.00	0.00
_			Prado Dam	5.61	3.68	99.0	1.75	6.10
			Salinas Dam Santa Margarita Lake	1.87	1.23	0.22	0.59	2.04
			Santa Fe Dam	5.37	3.52	0.63	1.68	5.84
		#	Sepulveda Dam	27.24	22.53	5.69	12.21	40.43
		*	Whittier Narrows Dam	31.13	25.76	6.43	14.13	46.33
								(Sheet 11 of 15)

Division District Project SPD (cont) Sacramento # Biz # Ha Ha Ha # He He He # He He He # He He He # He He He # He He He		lotal Spending		Sales Effects (\$MM)	INCIS (DININ)	
Sacramento ####################################	ct	(\$MM)	Direct	Indirect	Induced	Total
# # # #	Black Butte Lake	2.31	1.37	0.19	0.63	2.19
	Eastman Lake	1.04	0.68	0.15	0.28	1.11
	Harry L Englebright Lake	1.62	1.06	0.19	0.51	1.76
	Hensley Lake	2.32	1.40	0.13	0.48	2.01
	Lake Kaweah	6.70	4.40	0.95	1.84	7.19
	Martis Creek Lake	0.40	0.25	0.05	0.17	0.47
*	New Hogan Lake	3.86	2.53	0.46	1.21	4.20
#	Pine Flat Lake	6.07	3.98	0.72	1.90	09.9
	Stanislaus River Parks	6.73	3.78	0.56	2.23	6.58
#	Success Lake	6.70	4.46	1.07	2.59	8.12
San Francisco # L	Lake Mendocino	9.69	6.36	1.14	3.03	10.53
dan-r	Lake Sonoma	6.02	3.81	0.68	2.05	6.54
	S F Bay Model Regional Visitor Center	2.69	1.60	0.15	0.55	2.29
SWD Fort Worth	Aquilla Dam & Lake	0.99	0.65	0.12	0.31	1.08
	Bardwell Lake	7.49	4.91	0.88	2.34	8.13
#	Belton Lake	34.60	21.36	3.46	8.94	33.76
	Benbrook Lake	17.37	11.40	2.05	5.43	18.88
#	Canyon Lake	19.80	13.91	2.91	7.72	24.54
	Cooper Lake	3.95	2.59	0.47	1.23	4.29
#	Ferrells Bridge Dam Lake O' The Pines	16.11	10.84	1.92	5.83	18.59
	Granger Lake	5.40	3.54	0.64	1.69	5.87
#	Grapevine Lake	23.68	18.16	3.57	7.78	29.50
	Hords Creek Lake	7.28	4.78	0.86	2.28	7.91
#	Joe Pool Lake	13.80	10.62	2.08	4.29	16.99
	Lake Georgetown	9.25	6.07	1.09	2.89	10.05
#	Lavon Lake	25.39	20.46	3.84	7.19	31.49
#	Lewisville Lake	47.57	36.35	7.21	16.60	60.15
	Navarro Mills Lake	8.20	5.38	0.97	2.56	8.91
	O.C. Fisher Lake	13.03	8.54	1.54	4.07	14.15
	Proctor Lake	5.33	3.50	0.63	1.67	5.79
	Ray Roberts Lake	37.22	24.41	4.39	11.63	40.44
#	Sam Rayburn Reservoir	28.50	17.19	2.90	8.74	28.83
#	Somerville Lake	22.17	14.32	2.44	90.9	22.83

Table E2	Table E2 (Continued)							
	,			Total Spending		Sales Ef	Sales Effects (\$MM)	
Division	District	P.	Project	(\$MM)	Direct	Indirect	Induced	Total
SWD (cont)	SWD (cont) Fort Worth (cont)		Stillhouse Hollow Reservoir	6.61	4.34	0.78	2.07	7.19
			Town Bluff Dam B. A. Steinhagen Lake	5.62	3.69	99.0	1.76	6.11
		土	Waco Lake	25.51	16.99	3.39	9.83	30.21
		#	Whitney Lake	18.79	12.22	2.22	8.02	22.45
		#	Wright Patman Dam and Lake	17.63	11.38	1.92	6.24	19.55
	Galveston	*	Addicks Dam	23.53	18.50	3.48	7.78	29.75
			Barker Dam	7.21	4.73	0.85	2.25	7.83
			Wallisville Reservoir	2.48	1.63	0.29	0.78	2.70
	Little Rock	*	Beaver Lake	38.27	25.01	5.52	13.53	44.07
		#	Blue Mountain Lake	3.04	1.74	0.26	0.59	2.59
		*	Bull Shoals Lake	95.87	64.49	11.79	45.94	122.22
		L	Clearwater Lake	6.57	4.31	0.78	2.05	7.14
		#	Dardanelle Lake - Ark.Riv.Nav.Sys	30.46	19.08	3.24	8.06	30.38
		*	David D. Terry Lock and Dam - Ark.Riv.Nav.Sys	19.74	13.15	3.04	7.07	23.26
			Dequeen Lake	3.49	2.29	0.41	1.09	3.80
			Dierks Lake	2.62	1.72	0.31	0.82	2.85
			Gillham Lake	2.01	1.32	0.24	0.63	2.18
		#	Greers Ferry Lake	86.25	55.12	9.61	29.74	94.47
			John Paul Hammerschmidt Lake	12.29	8.06	1.45	3.84	13.36
		*	Millwood Lake	96.6	6.30	1.10	3.00	10.41
		盐	t Murray Lock and Dam - Ark.Riv.Nav.Sys	10.93	7.24	1.67	3.71	12.62
		#	Nimrod Lake	6.05	3.19	0.44	1.02	4.64
		*	Norfork Lake	29.67	18.17	2.96	14.16	35.29
		L	Norrell Lock and Dam - Ark.Riv.Nav.Sys	0.64	0.42	0.08	0.20	0.70
			Ozark Lake - Ark.Riv.Nav.Sys	6.65	4.36	0.78	2.08	7.22
			Pool 3 Lock and Dam - Ark.Riv.Nav.Sys	1.18	0.77	0.14	0.37	1.28
			Pool 4 Lock and Dam - Ark.Riv.Nav.Sys	8.57	5.62	1.01	2.68	9.31
			Pool 5 Lock and Dam - Ark.Riv.Nav.Sys	2.63	1.73	0.31	0.82	2.86
			Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys	2.91	1.91	0.34	0.91	3.16
		*	Table Rock Lake	77.59	51.19	10.70	28.63	90.53
			Toad Suck Ferry Lock and Dam-Ark.Riv.Nav.Sys	6.57	4.31	0.78	2.05	7.14
		L	Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys	5.18	3.40	0.61	1.62	5.63
								(Sheet 13 of 15)

Division District Project SWD (cont) Tulsa Arr Br Br Br Ch Co Co Co Co Ell Ell	*			מונים בוובסים		
##		(\$MM)	Direct	Indirect	Induced	Total
##	Arcadia Lake	3.30	2.16	0.39	1.03	3.58
	Birch Lake	1.67	1.09	0.20	0.52	1.81
	Broken Bow Lake	13.15	8.62	1.55	4.11	14.28
	Canton Lake	13.37	7.95	1.41	2.58	11.94
	Chouteau Lock and Dam 17	2.53	1.66	0.30	62'0	2.75
	Copan Lake	1.03	0.68	0.12	0.32	1.12
<u> </u>	Council Grove	4.85	3.18	0.57	1.52	5.27
	El Dorado Lake	66.6	6.55	1.18	3.12	10.86
	Elk City Lake	1.90	1.25	0.22	0.59	2.07
#	Eufaula Lake	31.89	21.35	4.15	9.11	34.60
	Fall River Lake	2.03	1.33	0.24	0.63	2.20
#	Fort Gibson Lake	34.37	24.92	3.36	11.73	40.01
	Fort Supply Lake	3.54	2.32	0.42	1.11	3.85
	Great Salt Plains	4.19	2.75	0.49	1.31	4.55
	Heyburn Lake	1.85	1.22	0.22	0.58	2.01
	Hugo Lake	4.84	3.18	0.57	1.51	5.26
	Hulah Lake	1.54	1.01	0.18	0.48	1.67
	John Redmond Reservoir	2.84	1.87	0.34	0.89	3.09
Δ	Kaw Lake	2.44	1.60	0.29	0.76	2.65
#	Keystone Lake	19.21	15.12	3.26	7.10	25.49
	Marion Reservoir	6.78	4.44	0.80	2.12	7.36
	Newt Graham Lock and Dam 18	2.65	1.74	0.31	0.83	2.88
#	Oologah Lake	17.83	14.02	3.10	6.53	23.64
	Optima Lake	0.45	0:30	0.05	0.14	0.49
	Pat Mayse Lake	4.06	2.66	0.48	1.27	4.41
	Pearson-Skubitz Big Hill Lake	2.52	1.65	0.30	0.79	2.74
	Pine Creek Lake	3.15	2.06	0.37	0.98	3.42
	Robert S. Kerr, Lock and Dam 15	12.39	8.13	1.46	3.87	13.47
	Sardis Lake	4.20	2.76	0.50	1.31	4.56
	Skiatook Lake	8.34	5.47	0.98	2.61	90.6
#	Tenkiller Ferry Lake	17.79	11.17	2.47	5.68	19.31
#	Texoma Lake	92.86	70.99	12.33	37.90	121.22

Table E2 (Concluded)						
		Total Spending		Sales E	Sales Effects (\$MM)	
Division District	Project	(\$MM)	Direct	Indirect	Induced	Total
SWD (cont) Tulsa (cont)	Toronto Lake	2.21	1.45	0.26	69.0	2.40
	Truscott Brine Lake, Area VIII	0.11	0.07	0.01	0.03	0.12
	Waurika Lake	7.07	4.64	0.83	2.21	7.68
	Wd Mayo Lock and Dam 14	1.54	1.01	0.18	0.48	1.67
	Webbers Falls Lock and Dam 16	6.97	4.57	0.82	2.18	7.58
	Wister Lake	5.95	3.90	0.70	1.86	6.46
	Total	5,962	3,912	90/	1,864	6,481
	Average	13.07	8.58	1.55	4.09	14.21
						(Sheet 15 of 15)

Table E3	I Economic Imp	Table E3 Dominal Economic Impacts for All CF Projects: Income ¹ (Continued)				
PiroBoxi				Income Effects (\$MM)	cts (\$MM)	
Division	District	Project	Direct	Indirect	Induced	Total
LRD	Detroit	Duluth-Superior Harbor	4.76	0.86	2.41	8.03
	- 311.	Keweenaw Waterway	0.82	0.15	0.41	1.38
		St. Marys River	2.73	0.50	1.38	4.60
		Sturgeon Bay and Lake Michigan Ship Canal	90.0	0.01	0.03	0.10
	Huntington	# Alum Creek Lake	12.15	2.19	7.41	21.75
	,		6.52	1.18	3.30	11.00
		Beach City Lake	0.24	0.04	0.12	0.41
		Beech Fork Lake	3.93	0.71	1.99	6.63
		Belleville Locks and Dam <ohio r=""></ohio>	4.76	0.94	1.99	7.68
		# Bluestone Lake	7.18	1.30	3.63	12.11
		Bolivar Dam	0.98	0.18	0.50	1.66
-		Burnsville Lake	2.54	0.46	1.28	4.29
		Capt Anthony Meldahl Locks and Dam <ohio r=""></ohio>	3.66	79.0	1.85	6.18
<u></u>		Charles Mill Lake	4.28	0.78	2.16	7.22
		Clendening Lake	0.98	0.18	0:20	1.65
		# Deer Creek Lake	18.05	3.28	9.13	30.46
	***	Delaware Lake	4.17	92.0	2.11	7.03
		Dewey Lake	3.79	0.64	2.58	7.01
		Dillon Lake	6.45	1.17	3.26	10.88
		Dover Dam	0.89	0.16	0.45	1.51
:		East Lynn Lake	1.59	0.29	08.0	2.68
		Fishtrap Lake	4.46	0.86	1.73	7.05
		Grayson Lake	3.14	0.57	1.59	5.30
		Greenup Locks and Dam <ohio r=""></ohio>	10.05	1.83	5.08	16.95
		John W Flannagan Dam and Reservoir	2.01	0.36	1.01	3.39
		Leesville Lake	0.92	0.17	0.47	1.56
		London Locks and Dam <kanawha river=""></kanawha>	0.00	0.00	0.00	0.01
						(Sheet 1 of 15)

Notes: LRD = Great Lakes and Ohio River, MVD = Mississippi Valley; NAD = North Atlantic; NWD = Northwestern; POD = Pacific Ocean; SAD = South Atlantic; SPD = South Pacific; SWD = Southwestern. Impacts on counties within 30 miles of CE projects of visitor trip spending within 30 miles of the projects. Income includes employee compensation and proprietor and other property income.

Projects where surveys were conducted to create the spending profiles for this study.
 Projects where the IMPLAN economic impact models have been built (Becker 1997).

	Marmet Locks and Dam <kanawha river=""> Mohawk Dam Mohicanville Dam North Branch Kokosing River Lake North Fork of Pound River Lake Paint Creek Lake Paint Creek Lake</kanawha>	Direct 0.30	Income E	Income Effects (\$MM) ect Induced 0.15	Total
Huntington (cont)	net Locks and Dam <kanawha river=""> awk Dam canville Dam h Branch Kokosing River Lake h Fork of Pound River Lake t Creek Lake tsville Lake mont Lake</kanawha>	Direct 0.30	Indirect	Induced 0.15	Total
Huntington (cont)	net Locks and Dam <kanawha river=""> awk Dam canville Dam h Branch Kokosing River Lake h Fork of Pound River Lake t Creek Lake tsville Lake mont Lake</kanawha>	0.30		0.15	0.54
	awk Dam canville Dam Branch Kokosing River Lake Fork of Pound River Lake Creek Lake tsville Lake mont Lake	,	0.05		0.5
	canville Dam Branch Kokosing River Lake Fork of Pound River Lake t Creek Lake tsville Lake mont Lake	1.20	0.22	0.61	2.03
	n Branch Kokosing River Lake n Fork of Pound River Lake t Creek Lake tsville Lake mont Lake	90:0	0.01	0.03	0.10
) Fork of Pound River Lake t Creek Lake tsville Lake mont Lake	0.88	0.16	0.45	1.49
	t Creek Lake tsville Lake mont Lake	09:0	0.11	0.31	1.02
	sville Lake mont Lake	4.11	0.75	2.08	6.93
	mont Lake	3.88	0.71	1.96	6.55
		0.88	0.16	0.44	1.48
	Pleasant Hill Lake	3.67	0.67	1.85	6.18
	R D Bailey Lake	2.96	0.54	1.49	4.99
	Racine Locks and Dam <ohio r=""></ohio>	0.68	0.12	0.34	1.15
	Robert C. Byrd Locks and Dam <ohio r=""></ohio>	0.39	0.07	0.20	99.0
	Senecaville Lake	5.80	1.05	2.93	9.78
uung #	Summersville Lake	4.71	0.86	2.38	7.95
Sutto	Sutton Lake	2.65	0.48	1.34	4.47
Тарр	Tappan Lake	3.85	0.70	1.95	6.49
Tom	Tom Jenkins Dam and Burr Oak Lake	2.26	0.41	1.14	3.81
Willow	Willow Island Locks and Dam <ohio r=""></ohio>	1.43	0.26	0.72	2.41
Wills	Wills Creek Lake	0.14	0.03	0.07	0.24
Winfi	Winfield Lock and Dam <kanawha river=""></kanawha>	1.99	0.36	1.00	3.35
Yates	Yatesville Lake	1.61	0.19	0.87	2.67
Louisville I# Barre	Barren River Lake	7.65	1.39	3.87	12.90
Brook	Brookville Lake	5.20	0.63	2.31	8.13
Buck	Buckhorn Lake	1.41	0.26	0.71	2.39
Caes	Caesar Creek Lake	6.63	1.20	3.35	11.18
Cagle	Cagles Mill Lake	1.37	0.25	0.69	2.31
Cann	Cannelton Lock and Dam + Ohio River	0.20	0.04	0.10	0.34
Carr	Carr Creek Lake	3.14	0.57	1.59	5.30
Cave	Cave Run Lake	2.31	0.42	1.17	3.89
# Cecil	Cecil M. Harden Lake	7.27	1.32	3.68	12.27
Clare	Clarence J Brown Dam and Reservoir	4.71	98.0	2.38	7.95
Gree	Green River Lake	5.12	0.93	2.59	8.64
					(Sheet 2 of 15)

			Income	Income Effects (\$MM)	
Division District	Project	Direct	Indirect	Induced	Total
LRD (cont) Louisville (cont)	Greenriver + 2 Locks	0.12	0.02	90.0	0.21
	J. Edward Roush Lake	2.15	0.39	1.09	3.62
	John T. Myers Lock and Dam	0.84	0.15	0.43	1.43
	Kentucky River + 4 Locks	0.61	0.11	0.31	1.03
	Lock & Dam 52 + Ohio River	0.16	0.03	0.08	0.27
	Lock & Dam 53 + Ohio River	0.04	0.01	0.02	90.0
	Markland Lock and Dam + Ohio River	1.79	0.42	0.94	3.15
	Mcalpine Lock and Dam + Ohio River	1.15	0.21	0.58	1.94
	Mississinewa Lake	4.71	0.85	2.38	7.94
	# Monroe Lake	6.48	1.18	3.28	10.93
	Newburgh Lock and Dam +Ohio River	2.27	0.34	1.03	3.64
	i# Nolin River Lake	10.72	1.95	5.42	18.08
	Patoka Lake	5.92	1.08	2.99	66.6
	# Rough River Lake	10.06	1.83	5.09	16.98
	Salamonie Lake	38.21	6.21	15.86	60.28
-	Smithland Lock and Dam +Ohio River	0.10	0.02	0.05	0.16
	Taylorsville Lake	5.18	96.0	2.24	8.37
	West Fork Of Mill Creek Lake	3.53	0.59	1.51	5.63
	# William H Harsha Lake	5.55	1.01	2.80	98'6
Nashville	i# Barkley Lock and Dam Lake Barkley	20.52	3.73	10.37	34.62
	I# Center Hill Lake	20.27	3.68	10.24	34.19
	# Cheatham Lock and Dam	12.06	2.19	60'9	20.34
	# Cordell Hull Dam and Reservoir	16.56	3.01	8.37	27.93
	# Dale Hollow Lake	19.54	3.55	9.88	32.97
	# J Percy Priest Dam and Reservoir	30.78	6.62	19.99	57.39
	# Laurel River Lake	1.11	0.17	0.52	1.81
	Martins Fork Lake	0.87	0.21	0.51	1.59
	! Old Hickory Lock and Dam	55.08	8.51	25.13	88.71
	# Wolf Creek Dam Lake Cumberland	26.96	3.92	10.70	41.59
Pittsburgh	Berlin Lake	3.06	0.76	1.97	5.79
	Conemaugh River Lake	0.50	0.08	0.26	0.83
	Over I dead Devices	1,68	0.30	0.85	2.83

Table E3	Table E3 (Continued)	. W.				
	10			Income Effects (\$MM)	ects (\$MM)	
DIVISION	DISTRICT	Project	Direct	Indirect	Induced	Total
LRD (cont)	Pittsburgh (cont)	Dashields Locks and Dam <ohio river=""></ohio>	0.13	0.02	0.07	0.23
		East Branch Clarion River Lake	1.23	0.22	0.62	2.07
		Emsworth Locks and Dams <ohio river=""></ohio>	0.46	0.08	0.23	0.78
		Gray's Landing Locks and Dam	0.03	0.00	0.01	0.05
		Hannibal Locks and Dam <ohio river=""></ohio>	0.14	0.02	90:0	0.22
			0.04	0.01	0.02	0.07
		Kinzua Dam and Allegheny Reservoir	1.90	0.35	96.0	3.21
		Lock and Dam 2 <allegheny river=""></allegheny>	0.27	0.05	0.13	0.45
		Lock and Dam 3 <allegheny river=""></allegheny>	0.09	0.02	0.05	0.16
		Lock and Dam 4 <allegheny river=""></allegheny>	0.11	0.02	0.05	0.18
		Lock and Dam 5 <allegheny river=""></allegheny>	90.0	0.01	0.03	0.10
			0.04	0.01	0.02	0.07
		Lock and Dam 7 <allegheny river=""></allegheny>	0.05	0.01	0.03	60.0
		Lock and Dam 8 <allegheny river=""></allegheny>	0.05	0.01	0.02	0.08
		Lock and Dam 9 < Allegheny River>	0.05	0.01	0.02	0.08
		Locks and Dam 2 <monongahela river=""></monongahela>	0.07	0.01	0.04	0.12
		Locks and Dam 3 <monongahela river=""></monongahela>	0.03	0.00	0.01	0.04
		Locks and Dam 4 <monongahela river=""></monongahela>	0.03	0.00	0.01	0.04
		Loyalhanna Lake	1.15	0.21	0.58	1.95
		Mahoning Creek Lake	0:30	0.05	0.15	0.51
		Maxwell Locks and Dam <monongahela river=""></monongahela>	90:0	0.01	0.03	0.11
		Michael J Kirwan Dam and Reservoir	1.38	0.27	0.98	2.63
		Montgomery Locks and Dam <ohio river=""></ohio>	0.13	0.02	0.07	0.22
		Morgantown Lock and Dam <monongahela river=""></monongahela>	0.01	0.00	0.01	0.02
		Mosquito Creek Lake	6.24	1.13	3.15	10.53
		New Cumberland Locks and Dam <ohio river=""></ohio>	0.22	0.04	0.11	0.37
		Opekiska Lock and Dam <monongahela river=""></monongahela>	0.01	00.00	00.0	0.02
		Pike Island Locks and Dam <ohio river=""></ohio>	0.16	0.03	0.08	0.27
			0.01	00:00	00.00	0.02
		# Shenango River Lake	3.73	0.68	1.88	6.29
		Stonewall Jackson Lake	2.15	0.39	1.09	3.63
		Tionesta Lake	2.16	0.39	1.09	3.64
						(Sheet 4 of 15)

Table E	Table E3 (Continued)	The state of the s				
Division	District	- Carolina C	- todio	Income Enects (alling)	ects (alvini)	Total
DIVISIOIL	District		Direct	mailect.	1 22	- Otal
LRD (cont)	Pittsburgh (cont)	Tygart Lake	2.63	0.48	1.33	4.43
		Union City Dam	0.18	0.03	0.09	0.30
		Woodcock Creek Lake	2.03	0.37	1.03	3.43
		Youghiogheny River Lake	3.47	0.63	1.75	5.85
Mvd	Rock Island	Coralville Lake	7.27	1.32	3.68	12.27
		Farmdale Dam	0.18	0.03	60.0	0.31
		Illinois Waterway	0.56	0.10	0.29	0.95
		Lake Red Rock	7.04	1.28	3.56	11.88
		Mississippi River Pools 11-22 (10 L&D)	74.02	13.45	37.41	124.87
			5.98	1.24	3.43	10.65
	St. Louis	# Carlyle Lake	12.75	1.83	5.42	20.00
		# Clarence Cannon Dam and Mark Twain Lake	9.66	1.98	5.37	17.00
	•	# Lake Shelbyville	12.13	2.12	4.71	18.96
		# Rend Lake	12.71	1.99	4.98	19.68
		Rivers Project - Illinois River	3.20	0.58	1.62	5.40
		Rivers Project - Lower River	2.45	0.45	1.24	4.14
		Rivers Project - Upper River	18.10	3.29	9.15	30.54
		# Wappapello Lake	10.48	1.71	5.48	17.67
	St. Paul	Baldhill Dam Lake Ashtabula	0.74	0.15	0.53	1.42
3		Eau Galle Flood Control Project	99:0	0.12	0.33	1.11
		Homme Lake	0.34	0.09	0.19	0.62
·÷		Lac Qui Parle Lake	0.22	0.04	0.11	0.37
		Lake Traverse	0.73	0.13	0.37	1.24
		Mississippi River Headwaters Lakes Project	10.23	2.02	69.9	18.93
		Mississippi River Pool U+L St Anthony Falls	0.39	0.07	0.20	0.65
		Mississippi River Pool No 1	0.50	60:0	0.25	0.84
		Mississippi River Pool No 2	3.19	0.75	1.75	5.70
			4.60	0.86	2.76	8.22
		Mississippi River Pool No 4	9.62	2.13	7.20	18.95
···		Mississippi River Pool No 5	2:90	0.68	1.84	5.42
		Mississippi River Pool No 5a	2.67	0.48	1.35	4.50
		Mississippi River Pool No 6	3.42	0.62	1.73	5.77
						(Sheet 5 of 15)

Table E3	Table E3 (Continued)					
: :				Income Effects (\$MM)	cts (\$MM)	
Division		Project	Direct	Indirect	Induced	Total
MVD (cont)	St. Paul (cont)		3.14	0.74	1.73	5.61
			7.10	1.29	3.59	11.97
			4.66	0.85	2.35	7.86
		Mississippi River Pool No 10	5.69	1.03	2.88	9.60
		Orwell Lake	0.12	0.02	90.0	0.21
	Vicksburg	# Arkabutla Lake	5.14	0.41	2.02	7.57
		Bayou Bodcau Reservoir	0.92	0.17	0.47	1.55
	-	Caddo Lake	0.13	0.02	0.07	0.23
		# Degray Lake	12.00	1.89	5.58	19.47
	-	Enid Lake	4.33	0.79	2.19	7.31
		# Grenada Lake	8.50	0.94	3.04	12.48
		Lake Greeson	2.47	0.45	1.25	4.17
		# Lake Ouachita	6.86	1.17	4.44	12.47
	_	Ouachita-Black Rivers (4 L&D, Calion Pool)	0.61	0.11	0.31	1.03
		Ouachita-Black Rivers (4 L&D, Columbia Pool)	1.67	0:30	0.84	2.82
	-	Ouachita-Black Rivers (4 L&D, Felsenthal Pool)	1.28	0.23	0.65	2.16
		Ouachita-Black Rivers (4 L&D, Jonesville Pool)	1.89	0.34	0.95	3.19
		Pearl River (3 Locks and Dams)	1.04	0.19	0.53	1.75
		Red River Waterway (5 Locks & Dams)	06:0	0.16	0.45	1.51
		# Sardis Lake	7.18	0.80	3.03	11.00
		Wallace Lake	0.07	0.01	0.04	0.13
NAD	Baltimore	Almond Lake	1.55	0.28	0.78	2.61
		Alvin R Bush - Kettle Creek	0.76	0.14	0.38	1.28
		Aylesworth Creek Lake	0.01	0.00	0.01	0.02
	_	Cowanesque Lake	0.64	0.12	0.32	1.08
		Curwensville Lake	0.22	0.05	0.03	0.30
		East Sidney Lake	0.16	0.04	0.12	0.31
		Foster Joseph Sayers Dam	2.44	0.44	1.23	4.11
		Jennings Randolph Lake	0.43	0.08	0.22	0.72
•••		# Raystown Lake	5.95	1.08	3.01	10.04
		Tioga-Hammond Lakes	1.10	0.20	0.55	1.85
		Whitney Point	0.64	0.12	0.32	1.08
						(Sheet 6 of 15)

Direct India Ind	(name)			Income El	Income Effects (\$MM)	
New England Ball Mountain Lake 0.32 Birch Hill Dam 0.56 0 Birch Hill Dam 0.13 0 Black Rock Lake 0.13 0 Black Rock Lake 0.13 0 Cape Cod Canal 17.47 0 Charles River Matural Valley Storage Project 0.62 0 Cohebrook River Lake 0.12 0 Cohant Brook Dam 0.12 0 East Brimfield Lake 0.12 0 Edward Macdowell Lake 0.04 0.04 Hodges Village Dam 0.070 0 Hodges Village Dam 0.70 0 Hop Brook Lake 0.70 0 Hop Brook Lake 0.13 0 Morth Martfield Lake 0.15 0 North Martfield Lake 0.15 0 North Martfield Lake 0.18 0 Thomaston Dam 0.18 0 Townsherd Lake 0.09 0 Townsherd Lake 0.01 0		Project	Direct	Indirect	Induced	Total
Birch Hill Dam 0.56 Birch Hill Dam 2.22 Black Rock Lake 0.13 Blackwater Bord 0.13 Charles Rock Canal 0.52 Cobablook River Lake 0.54 Coharles River Lake 0.12 Conant Brook Dam 0.12 East Brimfield Lake 0.17 Franklin Falls Dam 0.04 Hodges Village Dam 0.70 Hop Brook Lake 0.38 Hop Brook Lake 0.30 Martifiel Lake 0.17 North Hartland Lake 0.15 North Springfield Lake 0.17 North Springfield Lake 0.17 North Martifield Brook Lake 0.15 North Martifield Lake 0.05 North Martifield Lake 0.01 Uni	AD (cont) New England	Ball Mountain Lake	0.32	90.0	0.16	0.54
9y Storage Project 0.32 0.32 0.13 0.13 0.13 0.13 0.12 0.12 0.02 0.03 0.12 0.04 0.04 0.04 0.13 0.13 0.13 0.13 0.15 0.15 0.15 0.15 0.15 0.15 0.18 0.08 0.08 0.03 0.01 0.11 0.11 0.11 0.11 0.11 0.13 0.03 0.0		Barre Falls Dam	0.56	0.10	0.28	0.94
9y Storage Project 0.13 9y Storage Project 0.24 9y Storage Project 0.24 9 0.12 9 0.12 9 0.12 9 0.12 9 0.14 9 0.17 9 0.14 9 0.15 9 0.15 9 0.15 9 0.15 9 0.15 9 0.16 9 0.18 9 0.18 9 0.18 9 0.18 9 0.18 9 0.18 9 0.18 9 0.19 9 0.11		Birch Hill Dam	2.22	0.40	1.12	3.74
9y Storage Project 0.52 9y Storage Project 0.24 9y Storage Project 0.24 0.053 0.026 0.04 0.070 0.070 0.070 0.070 0.013 0.017 0.017 0.018 0.018 0.018 0.018 0.019 0.019 0.019 0.019		Black Rock Lake	0.32	90.0	0.16	0.55
9y Storage Project 0.52 (7.47		Blackwater Dam	0.13	0.02	0.07	0.22
by Storage Project 0.24 0.63 0.12 0.12 0.12 0.12 0.12 0.17 0.17 0.17 0.13 0.13 0.15 0.15 0.15 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18		Buffumville Lake	0.52	0.09	0.26	0.88
9y Storage Project 0.24 0.63 0.12 0.12 0.12 0.12 0.15 0.17 0.17 0.17 0.13 0.13 0.15 0.15 0.15 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18		Cape Cod Canal	17.47	3.17	8.83	29.48
0.63 0.12 0.02 0.04 0.04 0.08 0.13 0.13 0.15 0.15 0.18 0.18 0.18 0.18 0.19 0.19 0.19 0.19 0.19 0.11 0.11 0.18 0.08 0.08		Charles River Natural Valley Storage Project	0.24	0.04	0.12	0.41
0.12 0.62 0.26 0.04 0.03 0.13 0.13 0.15 0.15 0.18 0.18 0.18 0.18 0.18 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19		Colebrook River Lake	0.63	0.11	0.32	1.07
0.62 0.26 0.17 0.04 0.38 0.70 1.90 0.13 0.15 0.15 0.15 0.18 0.18 0.18 0.18 0.18 0.18 0.18		Conant Brook Dam	0.12	0.02	90.0	0.20
0.26 0.07 0.038 0.38 0.70 0.70 0.13 0.22 2.87 0.15 0.15 0.18 0.18 0.18 0.08 0.08		East Brimfield Lake	0.62	0.11	0.31	1.05
0.17 0.04 0.38 0.70 1.90 0.13 0.12 0.15 0.15 0.18 0.18 0.18 0.18 0.18 0.19 0.19 0.19 0.19		Edward Macdowell Lake	0.26	0.05	0.13	0.44
ke 0.04 0.38 0.38 0.70 0.70 0.70 0.70 0.73 0.13 0.15 0.15 0.15 0.15 0.16 0.16 0.16 0.18 0.18 0.08 0.08 0.08 0.08 0.08 0.09 0.01 0.11 0.11 0.11 0.11 0.11 0.11		Franklin Falls Dam	0.17	0.03	60:0	0.28
ke 0.38 0.38 0.70 0.70 0.70 0.70 0.13 0.22 0.17 0.17 0.15 0.18 0.18 0.08 0.08 0.08 0.08 0.09 0.01 0.11 0.11 0.11 0.11 0.11 0.11		Hancock Brook Lake	0.04	0.01	0.02	0.08
ke 0.70 0.70 0.70 0.13 0.13 0.22 0.22 0.17 0.17 0.15 0.16 0.18 0.18 0.08 0.08 0.08 0.08 0.08 0.08		Hodges Village Dam	0.38	0.07	0.19	0.64
Lake 1.90 Lake 0.13 ake 0.17 ake 0.17 ake 0.15 ake 0.18 n 0.21 n 0.18 n 0.18 n 0.18 ake 0.39 n 0.18 ake 0.39 ake 0.39 ake 0.39 ake 0.39 ake 0.39 ake 0.39		Hop Brook Lake	0.70	0.13	0.35	1.18
Lake 0.13 Lake 0.22 Lake 0.17 Lake 0.15 ake 0.18 ake 0.21 ake 0.21 ake 0.21 m 0.11 m 0.11 Lake 0.32 Lake 0.32 Lake 0.32			1.90	0.34	96'0	3.20
Lake 0.22 like 2.87 like 0.17 Lake 0.15 ake 0.18 0.21 ake 0.39 m 0.18 m 0.11 Lake 0.32 Lake 0.32		Knightville Dam	0.13	0.02	0.07	0.22
Lake 2.87 like 0.17 Lake 0.15 ake 0.21 ake 0.39 m 0.08 m 0.11 Lake 0.51 Lake 0.51		Littleville Lake	0.22	0.04	0.11	0.37
lke 0.17 Lake 0.15 ake 0.18 0.21 ake 0.39 m 0.18 m 0.11 m 0.11 Lake 0.51		ÌÃ	2.87	0.52	1.45	4.85
Lake 0.15 _ake 0.21 ake 0.21 .39 0.45 m 0.18 m 0.11 Lake 0.51		North Hartland Lake	0.17	0.03	80.0	0.28
ake 0.18 ake 0.21 0.39 0.45 0 0.18 m 0.11 Lake 0.51			0.15	0.03	0.07	0.25
0.21 0.39 0.45 0.18 0.08 0.01 0.32		Northfield Brook Lake	0.18	0.03	60.0	0:30
0.39 0.45 0.18 0.08 0.11 0.32		Otter Brook Lake	0.21	0.04	0.11	0.36
0.45 0.18 0.08 0.11 0.32		Surry Mountain Lake	0.39	0.07	0.20	0.67
0.18 0.08 0.11 0.32		Thomaston Dam	0.45	0.08	0.23	0.76
0.08 0.11 0.32 ske 0.51		Townshend Lake	0.18	0.03	60.0	0:30
0.11 0.32 ske 0.51		Tully Lake	0.08	0.01	0.04	0.13
0.32 Lake 0.51		Union Village Dam	0.11	0.02	90.0	0.19
Lake 0.51		West Hill Dam	0.32	90:0	0.16	0.54
			0.51	0.09	0.26	0.86
		Westville Lake	0.25	0.05	0.13	0.45

Division NAD (cont)				L	/ O B B B B A	
\neg				Income Effects (\$MM)	rects (\$MM)	
	District	Project	Direct	Indirect	Induced	Total
	Norfolk	AIW Albemarle and Ches and Dismal Swamp Canal	1.51	0.27	0.76	2.55
		Gathright Dam-Lake Moomaw	0.15	0.03	0.08	0.26
	Philadelphia	Beltzville Lake	2.22	0.40	1.12	3.75
		# Blue Marsh Lake	2.88	0.52	1.46	4.87
		Francis E Walter Dam	1.67	0:30	0.84	2.81
		IWW Delaware R to Chesapeake Bay C + D Canal	1.33	0.24	0.67	2.24
		Prompton Lake	0.28	0.05	0.14	0.48
NWD	Kansas City	Blue Springs Lake	1.45	0.26	0.73	2.44
		Clinton Lake	4.49	0.82	2.27	7.58
		Harlan County Lake	2.76	0.50	1,40	4.66
		# Harry S Truman Dam and Reservoir	10.63	1.93	5.37	17.94
		Hillsdale Lake	1.52	0.28	0.77	2.57
		Kanopolis Lake	1.06	0.19	0.54	1.79
		Long Branch Lake	1.41	0.26	0.71	2.38
		Longview Lake	3.52	0.64	1.78	5.94
		Melvern Lake	2.05	0.37	1.04	3.46
		# Milford Lake	2.65	0.48	1.34	4.46
		Perry Lake	4.40	0.80	2.23	7.43
		# Pomme De Terre Lake	10.24	1.86	5.17	17.27
		Pomona Lake	3.04	0.55	1.53	5.12
		# Rathbun Lake	3.08	0.56	1.56	5.19
		# Smithville Lake	6.78	1.23	3.43	11.44
		# Stockton Lake	6.26	1.14	3.16	10.56
		Tuttle Creek Lake	3.07	0.56	1.55	5.19
		Wilson Lake	1.11	0.20	0.56	1.88
,	Omaha	Bear Creek Lake	1.36	0.14	0.40	1.89
		# Big Bend Dam Lake Sharpe	6.16	1.12	3.11	10.39
		Bluestem Lake	0.09	0.02	0.05	0.15
		Bowman Haley Lake	0.17	0.03	0.08	0.28
		Branched Oak Lake	1.12	0.20	0.56	1.88
		# Chatfield Lake	8.42	1.16	3.53	13.11
		# Cherry Creek Lake	14.41	2.62	7.29	24.32
						(Sheet 8 of 15)

Table E3	Table E3 (Continued)				- A-	
Division	District	Project	Direct	Indirect Induce	Induced	Total
NWD (cont)	NWD (cont) Omaha (cont)	Cold Brook Lake	0.16	0.03	0.08	0.27
(Conestoda Lake	0.17	0.03	0.08	0.28
		Cottonwood Springs Lake	0.03	0.01	0.02	90.0
		Fort Peck Project	1.90	0.35	96:0	3.21
		Fort Randall Dam Lake Francis Case	4.40	0.80	2.22	7.42
		Garrison Dam Lake Sakakawea	7.46	1.36	3.77	12.59
		# Gavins Point Project	6.29	0.73	1.99	9.02
		Glenn Cunningham Lake	0.72	0.13	0.36	1.21
		Holmes Lake	1.78	0.32	06.0	3.00
		# Oahe Dam Lake Oahe	8.49	1.54	4.29	14.32
		Olive Creek Lake	90:00	0.01	0.03	0.11
		Pawnee Lake	0.65	0.12	0.33	1.10
		Pipestem Lake	0.39	0.07	0.20	0.65
		Site 10 Yankee Hill Lake Saltcreek Tributary	0.09	0.02	0.04	0.15
		Snyder-Winnebago	0.37	0.07	0.19	0.63
		Stagecoach Lake	0.08	0.01	0.04	0.13
		Standing Bear Lake	0.48	60.0	0.24	0.81
·		Twin Lakes	0.08	0.01	0.04	0.13
		Wagontrain Lake	0.13	0.03	90.0	0.23
		Wehrspann Lake	1.33	0.24	0.67	2.24
		Zorinsky Lake	1.58	0.29	0.80	2.67
	Portland	Blue River Lake	0.25	0.05	0.13	0.42
·		# Bonneville Lock and Dam	14.22	2.58	7.19	23.99
		Cottage Grove Lake	2.41	0.44	1.22	4.06
-		Cougar Lake	0.34	90.0	0.17	0.57
		Detroit Lake	0.12	0.02	90.0	0.20
		Dexter Lake	2.88	0.45	1.43	4.76
		Dorena Lake	1.87	0.34	0.94	3.15
		Fall Creek Lake	0.31	0.04	0.16	0.51
		Fern Ridge Lake	4.62	0.84	2.33	7.79
		Foster Lake	2.95	0.54	1.49	4.97
		Green Peter Lake	1.49	0.27	0.75	2.51
	in the second se					(Sheet 9 of 15)

Division District				Income E	Income Effects (\$MM)	
		Project	Direct	Indirect	Induced	Total
NWD (cont) Portland (cont)	cont)	Hills Creek	0.07	0.01	0.03	0.11
		# John Day Lock and Dam, Lake Umatilla	10.29	1.87	5.20	17.35
		Lookout Point Lake	0.81	0.15	0.41	1.37
		Lost Creek Lake	3.14	0.57	1.59	5.29
		# The Dalles Lock and Dam, Lake Celilo	5.10	0.93	2.58	8.60
		Willamette Falls Locks	0.26	0.05	0.13	0.43
		Willow Creek	0.20	0.04	0.10	0.34
Seattle		Albeni Falls Dam and Lake Pend Oreille	1.31	0.24	0.66	2.21
		Chief Joseph Dam and Rufus Woods Lake	0.75	0.14	0.38	1.26
		Keystone Harbor	4.06	0.74	2.05	6.86
		Lake Washington Ship Canal	7.42	1.35	3.75	12.51
		Libby Dam and Lake Koocanusa	1.32	0.24	0.67	2.23
		Mud Mountain Dam Project White River	0.49	0.09	0.25	0.83
Walla Walla	2	# Dworshak Dam & Reservoir	1.19	0.22	09:0	2.01
		Ice Harbor Lock & Dam, Lake Sacajawea	2.53	0.46	1.28	4.27
		Little Goose Lock & Dam, Lake Bryan	1.06	0.19	0.54	1.79
		i# Lower Granite Lock & Dam	5.30	96.0	2.68	8.94
		Lower Monumental Lock & Dam, Lake West	0.87	0.16	0.44	1.47
_		Lucky Peak Lake	4.36	1.24	3.19	8.78
		# McNary Lock & Dam, Lake Wallula	20.03	3.64	10.12	33.78
		Mill Creek Lake	0.78	0.14	0.39	1.31
POD Alaska		Chena River Lakes	0.71	0.13	0.36	1.20
SAD Jacksonville	e	Fernandina Harbor	0.29	0.05	0.15	0.49
		Four River Basins	1.26	0.23	0.64	2.12
		! Lake Okeechobee and Waterway	38.34	6.97	19.38	64.69
		Miami Harbor	0.21	0.04	0.11	0.36
Mobile		Alabama River Lakes Claiborne	1.23	0.22	0.62	2.07
			8.92	1.33	3.06	13.30
			9.10	1.87	3.56	14.52
		# Allatoona Lake	37.19	7.46	13.04	57.69
		Black Warrior and Tombigbee Lakes	22.63	4.11	11.44	38.19
		Carters Lake	3.64	0.66	1.84	6.15
						077

Division District Project SAD (cont) Mobile (cont) # Lah # Lah # Lah					
Mobile (cont) #		Direct	Indirect	ect Induced	Total
# #	George W. Andrews Lake	2.31	0.42	1.17	3.89
	Lake Seminole	5.17	0.73	2.11	8.01
ŏ	Lake Sidney Lanier	48.46	9.44	25.82	83.72
	Okatibbee Lake	2.09	0.92	2.57	8.59
e Le	Tennessee-Tombigbee Waterway	17.64	3.20	8.92	29.76
eM #i	Walter F. George Lake	31.97	5.04	13.18	50.19
П	West Point Project	12.23	2.01	5.70	19.95
l	Hartwell Lake	57.56	11.85	28.19	97.60
#	J. Strom Thurmond Lake	33.38	6.44	15.97	55.79
92	New Savannah Bluff Lock and Dam	0.63	0.12	0.32	1.07
Ri	Richard B Russell Dam and Lake	6.75	1.23	3.41	11.38
Wilmington # B	B Everett Jordan Dam and Lake	7.08	0.85	2.60	10.53
	Cape Fear River <3 Locks and Dams>	0.33	90.0	0.17	0.56
# Fa	Falls Lake	3.33	0.39	1.18	4.91
	John H Kerr Dam and Reservoir	12.10	1.81	6.42	20.33
	Philpott Lake	4.13	0.53	1.86	6.52
M #	W Kerr Scott Dam and Reservoir	5.46	0.53	2.11	8.10
SPD Albuquerque Ab	niquiu Dam	0.43	0.08	0.22	0.72
	Cochiti Lake	1.33	0.24	0.67	2.25
	Conchas Lake	0.83	0.15	0.42	1.41
0	Galisteo Dam	0.02	0.00	0.01	0.04
Je	Jemez Canyon Dam	0.08	0.01	0.04	0.13
000	John Martin Dam	1.61	0.29	0.81	2.71
is in the second	Santa Rosa Dam and Lake	0.41	20.0	0.21	0.69
	Trinidad Lake	0.74	0.13	0.37	1.24
	Two Rivers Dam	0.01	00:00	0.00	0.01
Los Angeles Al	Alamo Lake	1.80	0.33	0.91	3.03
	Brea Dam	1.28	0.23	0.65	2.17
ľ	Carbon Canyon Dam	1.16	0.21	0.59	1.96
	Fullerton Dam	1.30	0.24	99.0	2.19
#	Hansen Dam	09:9	1.78	3.80	12.17
Ž	Mojave River Dam	0.09	0.02	0.04	0.15

SpD (card) District District Direct Indianed Total Total	Table E3	Table E3 (Continued)					
Profect	of child	4-1-4-10			Income Eff	ects (\$MM)	
Pantled Rock Dam Company C	Division		Project	Direct	Indirect	Induced	Total
Secremento 191 0.35 0.96	SPD (cont)		Painted Rock Dam	0.00	0.00	0.00	00.0
Sailla Edun Santa Margafia Lake 0.64 0.12 0.32 Sanfa Fe Dam 1.83 0.33 0.02 # Schulveda Dam 1.369 3.73 8.11 # Whitter Narrows Dam 1.369 3.73 8.11 # Estiman Lake 0.70 0.09 0.08 0.04 # Harry Lenglebright Lake 0.78 0.07 0.09 0.02 # Harry Lenglebright Lake 0.78 0.07 0.09 0.02 # Harry Lenglebright Lake 0.78 0.07 0.03 0.00 # Harry Lenglebright Lake 0.78 0.07 0.03 0.00 # Harry Lenglebright Lake 0.74 0.03 0.07 0.02 # Pres Kallander 0.74 0.03 0.00 0.00 # Success Lake 2.07 0.38 0.06 0.14 # Success Lake 2.09 0.30 0.06 0.14 # Success Lake 2.09 0.09 0.14 0.04 # Success Lake 2.09 0.09 0.06 <td></td> <td></td> <td>Prado Dam</td> <td>1.91</td> <td>0.35</td> <td>96.0</td> <td>3.22</td>			Prado Dam	1.91	0.35	96.0	3.22
Santa Fe Dam 183 0.33 0.92			Salinas Dam Santa Margarita Lake	0.64	0.12	0.32	1.08
# Sepulveda Dann 1215 3.27 7.00 # Wither Naturovs Dann 1389 3.73 8.11 Back Bulte Lake			Santa Fe Dam	1.83	0.33	0.92	3.08
# Whitter Natrows Dam # Whitter Natrows Dam 13.89 3.73 8.11 Sacramento # Eastrant Lake 0.76 0.09 0.034 # Harry L Englebright Lake 0.78 0.10 0.28 # Harry L Englebright Lake 0.78 0.10 0.28 # Harry L Englebright Lake 0.78 0.07 0.27 # Lake Kaweh 0.74 0.03 0.10 # Namis Creak Lake 0.14 0.03 0.10 # San Francisco # Lake Mandocino 2.49 0.60 1.48 San Francisco # Lake Mandocino 3.30 0.60 0.17 Fort Worth Aquille Dam & Lake 0.03 0.03 1.16 San Francisco # Earlow Lake 0.34 0.06 0.17 # Bellon Lake 0.05 0.34 0.06 0.17 # Ferrells Bridge Dam Lake O' The Pines 0.34 0.04 0.06 # Caryon Lake Croper Lake 0.34 0.04 0.05 # Caryon Lake # Layon Lake 0.14<				12.15	3.27	7.00	22.43
Sacramento # Black Butlie Lake 0.70 0.09 0.34 # Estanan Lake 0.35 0.08 0.16 # Harry L Englebright Lake 0.78 0.07 0.27 # Harry L Englebright Lake 0.78 0.07 0.27 # Harry L Englebright Lake 0.78 0.07 0.27 # Harry L Englebright Lake 0.74 0.60 1.03 # Pine Flat Lake 0.14 0.03 0.10 # San San Francisco # Lake Mendocino 2.07 0.32 1.29 San Francisco # Lake Mendocino 3.30 0.60 1.48 San Francisco # Lake Mendocino 3.30 0.60 1.48 San Francisco # Lake Mendocino 3.30 0.60 1.48 San Francisco # Lake Mendocino 3.34 0.60 1.16 San Francisco # Lake Mendocino 3.30 0.60 1.16 I Lake Sonoma S F Bay Model Regional Visitor Center 0.89 0.06 0.17 Benton Lake # Entron Lake </td <td>-</td> <td></td> <td>Whittier Narrows</td> <td>13.89</td> <td>3.73</td> <td>8.11</td> <td>25.73</td>	-		Whittier Narrows	13.89	3.73	8.11	25.73
# Eastman Lake 0.38 0.06 0.16 # HarvL Englebright Lake 0.755 0.10 0.28 # Lake Keaveah 2.31 0.57 0.27 0.28 # Lake Keaveah 2.31 0.50 0.10 0.28 # Nartis Creek Lake 0.14 0.03 0.10 0.27 0.10 # New Hogan Lake 1.31 0.24 0.66 0.10 0.14 0.03 0.10 Slanislaus River Parks 2.07 0.39 0.24 0.66 1.48 San Francisco # Lake Mendocino 2.49 0.60 0.33 1.16 San Francisco # Lake Mendocino 2.30 0.60 0.17 0.60 1.16 Barbor Lake Aquilia Dank Lake 0.34 0.06 0.17 0.39 1.16 Benton Lake Benton Lake 0.75 1.24 0.24 0.66 0.75 1.25 # Garywell Lake Cooper Lake 0.75 1.24 0.75 1.25 0.46 1.25 <td></td> <td>Sacramento</td> <td></td> <td>0.70</td> <td>0.09</td> <td>0.34</td> <td>1.13</td>		Sacramento		0.70	0.09	0.34	1.13
# Henry Englebright Lake 0.75 0.10 0.28 # HenriseLlake 0.77 0.27 # Lake Kawaeh 0.74 0.05 0.10 # New Hogan Lake 0.14 0.05 0.10 # New Hogan Lake 0.14 0.03 0.10 # Success Lake 0.27 0.38 1.04 San Francisco # Lake Mendocino 0.39 0.60 1.67 I Lake Sonoma 0.39 0.60 1.67 San Francisco # Lake Mendocino 0.39 0.60 1.67 I Lake Sonoma 0.39 0.60 1.67 San Francisco # Lake Mendocino 0.39 0.60 0.60 1.67 I Lake Sonoma 0.39 0.60 0.60 0.60 0.60 I Lake Mendocino 0.39 0.60 0.60 0.60 I Lake Mendocino 0.39 0.60 0.60 0.60 I Lake Mendocino 0.39 0.60 0.60 0.60 I Lake Bardwell Lake 0.39 0.60 0.60 0.60 # Berdwell Lake 0.39 0.60 0.60 0.60 # Berdwell Lake 0.39 0.60 0.60 0.60 # Cooper Lake 0.00 0.60 0.60 0.60 # Cooper Lake 0.00 0.30 0.60 0.60 # Cooper Lake 0.00 0.60 0.30 0.60 # Cooper Lake 0.00 0.60 0.30 0.60 # Lake Georgetown 1.60 0.60 0.30 0.60 # Lake Georgetown 1.60 0.60 0.30 0.60 # Lake Georgetown 1.60 0.60 0.30 0.60 0.60 # Lake Georgetown 1.60 0.60 0.30 0.60 0.60 # Lake Georgetown 1.60 0.60 0.30 0.60 0.60 0.60 0.60 0.60 0				0.36	80:0	0.16	0.59
# Hensley Lake 4 Hensley Lake 6.78 6.07 6.27 # Lake Kaweah 2.31 6.50 1.03 Maria Corek Lake 1.31 6.24 0.60 1.03 # New Hogan Lake 2.07 6.38 1.04 San Francisco Lake Bonoma 2.09 0.39 1.16 Lake Sonoma 2.09 0.39 1.16 Lake Sonoma 2.09 0.39 1.16 San Francisco Hake 2.00 0.32 1.29 Lake Sonoma 2.09 0.39 1.16 Lake Sonoma 2.09 0.39 0.01 Lake Sonoma 2.09 0.39 0.01 Lake Sonoma 2.09 0.39 0.01 Lake Borbook Lake 2.48 0.06 0.17 Behrook Lake 2.48 0.04 0.05 Cooper Lake 1.34 0.24 0.05 Granger Lake 1.34 0.33 0.33 Granger Lake 1.34 0.33 0.33 Hords Creek Lake 1.34 0.35 1.25 Hords Creek Lake 1.34 0.35 1.25 Lake Georgetom 3.14 0.57 1.25 Lake Georgetom 3.14 0.57 1.25 Lake Georgetom 3.14 0.57 1.25 Lake Georgetom 4.105 2.23 4.20 Lake Georgetom 4.105 4.20 Lake Georgetom 4.105 2.23 4.20 Lake Georgetom 4.105 4.20 Lake Georgetom 4.105			Harry L Englebrig	0.55	0.10	0.28	0.93
# Lake Kaweah 2.31 0.50 1.03 Martis Creek Lake 0.14 0.03 0.10 # New Hogan Lake 1.31 0.024 0.05 # Stanislaus River Parks 2.07 0.38 1.04 Sanislaus River Parks 2.07 0.38 1.04 San Francisco # Lake Mendocino 2.09 0.60 1.48 San Francisco # Lake Mendocino 3.30 0.60 1.67 Fort Worth Aquilla Dam & Lake 0.39 0.06 1.67 Fort Worth Aquilla Dam & Lake 0.34 0.06 0.17 Bardwell Lake Canyon Lake 5.91 1.07 2.99 # Canyon Lake Cooper Lake 7.83 1.62 4.35 # Granger Lake Forther Lake 1.04 2.74 4.52 # Granger Lake Hords Creek Lake 2.48 0.45 1.26 # Jos Pool take Bolo Lake 1.04 2.74 4.20 # Lavon Lake 1.165 2.23 4.20				0.78	0.07	0.27	1.11
Martis Creek Lake 0.14 0.03 0.10 # New Hogan Lake 1.31 0.24 0.66 # Pine Flat Lake 2.07 0.38 1.04 Stanislaus River Parks 2.00 0.32 1.04 San Francisco # Lake Mendocino 3.30 0.60 1.46 San Francisco # Lake Sonoma 2.09 0.89 0.60 1.46 S F Bay Model Regional Visitor Center 0.89 0.06 0.06 0.17 0.06 0.17 Bardwell Lake Bentron Lake 0.71 1.28 1.62 4.35 Cooper Lake Cooper Lake 0.74 0.04 0.24 # Jose Pool Lake Cooper Lake 0.74 0.75 <				2.31	0:20	1.03	3.83
# New Hogan Lake 1.31 0.24 0.66 # Pine Flat Lake 2.07 0.38 1.04 San Francisco # Lake Mendocino 2.09 0.32 1.48 San Francisco # Lake Mendocino 2.09 0.60 1.48 San Francisco # Lake Mendocino 2.09 0.39 1.67 I Lake Sonoma 2.09 0.39 1.167 San Francisco # Seavowilla Dam & Lake 0.34 0.06 0.17 Bardwell Lake 0.34 0.06 0.17 Benbrook Lake 11.28 1.91 5.07 # Canyon Lake 7.83 1.62 4.35 Cooper Lake 6.71 1.07 2.99 # Ferrelis Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 6.74 0.33 0.93 # Grapewire Lake 1.04 2.07 4.35 # Javo Pool Lake 1.64 2.07 4.29 # Lake Georgetown 11.65 2.23 4.20			Martis Creek Lake	0.14	0.03	0.10	0.26
# Pline Flat Lake 2.07 0.38 1.04 Stanishus River Parks 2.00 0.32 1.29 San Francisco # Lake Mendocino 2.49 0.60 1.48 San Francisco # Lake Mendocino 2.09 0.50 1.67 I Lake Sonoma 2.09 0.39 0.17 S F Bay Model Ragional Visitor Center 0.34 0.06 0.17 Bardwell Lake 2.55 0.46 1.29 # Beinbrook Lake 2.55 0.46 1.29 # Corport Lake 7.83 1.62 4.35 Coper Lake 7.84 0.34 0.63 0.93 # Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 4.52 4.52 4.52 Hords Creek Lake 2.48 0.45 1.59 # Lake Georgetown 3.14 0.57 4.52 # Lake Georgetown 4.165 2.23 4.20				1.31	0.24	99.0	2.22
Stanislaus River Parks 2.00 0.32 1.29 # Success Lake 2.49 0.60 1.48 San Francisco # Lake Mendocino 3.30 0.60 1.67 I Lake Sonoma 2.09 0.39 1.16 S F Bay Model Regional Visitor Center 0.89 0.06 0.17 Aquilla Dam & Lake 2.09 0.39 1.16 # Belton Lake 2.55 0.46 1.29 # Canyon Lake 5.91 1.07 2.99 # Ferrells Bridge Dam Lake O' The Pines 5.91 1.07 2.99 # Ferrells Bridge Dam Lake 7.83 1.62 4.35 Granger Lake 1.34 0.24 0.68 # Grapovine Lake 1.34 0.24 0.68 # Grapovine Lake 1.34 0.33 0.93 # Joe Pool Lake 1.64 2.07 4.52 # Lake Georgetown 3.14 0.57 1.29 # Lake Georgetown 1.1.65 2.23 4.29				2.07	0.38	1.04	3.48
# Success Lake 2.49 0.60 1.48 San Francisco # Lake Mendocino 3.30 0.60 1.67 I Lake Sonoma 2.09 0.39 1.16 Set Bay Model Regional Visitor Center 0.39 0.08 0.17 Redvell Lake 0.34 0.06 0.17 Bardwell Lake 0.34 0.06 0.17 Benbrook Lake 1.128 1.91 5.07 Benbrook Lake 5.91 1.07 2.99 # Conper Lake 0.24 0.68 4.35 Gooper Lake 1.34 0.24 0.68 # Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 1.34 0.24 0.68 # Grapevine Lake 1.07 2.07 4.52 # Lavo Colleck Lake 0.45 1.25 # Lavo Lake 0.65 1.29 4.20 # Lavon Lake 1.165 2.23 4.20			Stanislaus River Parks	2.00	0.32	1.29	3.61
San Francisco # Lake Mendocino 3.30 0.60 1.67 1 Lake Sonoma 2.09 0.39 1.16 S F Bay Model Regional Visitor Center 0.89 0.08 0.31 Port Worth Aquilla Dam & Lake 0.34 0.06 0.17 Bardwell Lake 2.55 0.46 1.29 Belton Lake 11.28 1.91 5.07 Benbrook Lake 5.91 1.07 2.99 # Canyon Lake 1.34 0.24 0.68 # Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 1.34 0.33 0.93 0.93 # Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 4.52 4.52 4.52 Hords Creek Lake 6.11 1.21 2.49 Hords Creek Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 # Lavon Lake 11.65 2.23 4.20				2.49	09.0	1.48	4.57
Fort Worth Aquilla Dam & Lake 0.09 0.39 1.16 Fort Worth Aquilla Dam & Lake 0.34 0.06 0.17 Bardwell Lake 2.55 0.46 1.29 Benbrook Lake 5.91 1.91 5.07 Benbrook Lake 5.91 1.07 2.99 # Canyon Lake 7.83 1.62 4.35 Cooper Lake 1.34 0.24 0.68 # Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 4.55 1.04 2.07 4.52 Hords Creek Lake 2.48 0.45 1.25 # Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 # Lavon Lake 11.65 2.23 4.20		San Francisco		3.30	09:0	1.67	5.56
Fort Worth Aquilla Dam & Lake 0.34 0.06 0.17 Bardwell Lake 2.55 0.46 1.29 # Belton Lake 1.29 1.29 # Canyon Lake 5.91 1.07 2.99 # Canyon Lake 7.83 1.62 4.35 Cooper Lake 1.34 0.24 0.68 # Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 1.84 0.33 0.93 # Grapevine Lake 1.04 2.07 4.52 Hords Creek Lake 2.48 0.45 1.25 # Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 4.20 # Lavon Lake 11.65 2.23 4.20			! Lake Sonoma	2.09	0.39	1.16	3.64
Fort Worth Aquilla Dam & Lake 0.34 0.06 0.17 Bardwell Lake 2.55 0.46 1.29 # Belton Lake 11.28 1.91 5.07 Benbrook Lake 5.91 1.07 2.99 # Canyon Lake 7.83 1.62 4.35 Cooper Lake 1.34 0.24 0.68 # Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 1.84 0.33 0.93 # Grapevine Lake 10.44 2.07 4.52 Hords Creek Lake 2.48 0.45 1.25 # Joe Pool Lake 6.11 1.21 2.49 # Lake Georgetown 3.14 0.57 4.20 # Lavon Lake 11.65 2.23 4.20			S F Bay Model Regional Visitor Center	68:0	90'0	0.31	1.27
Bardwell Lake 2.55 0.46 1.29 Belton Lake 11.28 1.91 5.07 Benbrook Lake 5.91 1.07 2.99 Canyon Lake 7.83 1.62 4.35 Cooper Lake 1.34 0.24 0.68 Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 1.84 0.33 0.93 Grapevine Lake 10.44 2.07 4.52 Hords Creek Lake 6.11 1.25 Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 Lavon Lake 11.65 2.23 4.20	Swd	Fort Worth	Aquilla Dam & Lake	0.34	90.0	0.17	0.57
Belton Lake 11.28 1.91 5.07 Benbrook Lake 5.91 1.07 2.99 Canyon Lake 7.83 1.62 4.35 Cooper Lake 1.34 0.24 0.68 Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 1.84 0.33 0.93 Grapevine Lake 10.44 2.07 4.52 Hords Creek Lake 6.11 1.25 Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 Lavon Lake 11.65 2.23 4.20			Bardwell Lake	2.55	0.46	1.29	4.29
Benbrook Lake 5.91 1.07 2.99 Canyon Lake 7.83 1.62 4.35 Cooper Lake 1.34 0.24 0.68 Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 1.84 0.33 0.93 Grapevine Lake 10.44 2.07 4.52 Hords Creek Lake 6.11 1.25 1.25 Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 Lavon Lake 11.65 2.23 4.20				11.28	1.91	5.07	18.27
Canyon Lake 7.83 1.62 4.35 Cooper Lake 1.34 0.24 0.68 Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 10.44 0.33 0.93 Granger Lake 10.44 2.07 4.52 Hords Creek Lake 2.48 0.45 1.25 Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 Lavon Lake 11.65 2.23 4.20			Benbrook Lake	5.91	1.07	2.99	9.97
Cooper Lake 1.34 0.24 0.68 Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 1.84 0.33 0.93 Grapevine Lake 10.44 2.07 4.52 Hords Creek Lake 2.48 0.45 1.25 Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 Lavon Lake 11.65 2.23 4.20				7.83	1.62	4.35	13.80
Ferrells Bridge Dam Lake O' The Pines 5.72 1.02 3.25 Granger Lake 1.84 0.33 0.93 Grapevine Lake 10.44 2.07 4.52 Hords Creek Lake 2.48 0.45 1.25 Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 Lavon Lake 11.65 2.23 4.20	-		Cooper Lake	1.34	0.24	0.68	2.27
Granger Lake 1.84 0.33 0.93 Grapevine Lake 10.44 2.07 4.52 Hords Creek Lake 2.48 0.45 1.25 Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 Lavon Lake 11.65 2.23 4.20			l	5.72	1.02	3.25	10.00
Grapevine Lake 10.44 2.07 4.52 Hords Creek Lake 2.48 0.45 1.25 Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 Lavon Lake 11.65 2.23 4.20			Granger Lake	1.84	0.33	0.93	3.10
Hords Creek Lake 2.48 0.45 1.25 Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 Lavon Lake 11.65 2.23 4.20	·			10.44	2.07	4.52	17.03
Joe Pool Lake 6.11 1.21 2.49 Lake Georgetown 3.14 0.57 1.59 Lavon Lake 11.65 2.23 4.20			Hords Creek Lake	2.48	0.45	1.25	4.18
Lake Georgetown 3.14 0.57 1.59 Lavon Lake 11.65 2.23 4.20				6.11	1.21	2.49	9.81
Lavon Lake 4.20	Au-		Lake Georgetown	3.14	0.57	1.59	5.31
(Sheet 12				11.65	2.23	4.20	18.08
							(Sheet 12 of 15)

Direct Indirect Induced 20.93 4.18 9.64 20.93 4.18 9.64 2.79 0.51 1.41 1.41 0.33 0.92 1.26 2.30 6.40 8.83 1.51 4.85 8.83 1.51 4.85 8.83 1.51 4.85 8.83 1.51 4.85 8.83 1.51 4.85 9.15 1.24 0.97 9.16 1.85 5.45 6.45 1.18 4.39 6.13 1.04 3.47 9.39 2.03 4.50 6.14 1.13 3.97 1.24 0.15 0.45 1.24 0.15 0.45 1.24 0.15 0.45 1.24 0.15 0.45 1.24 0.15 0.45 1.24 0.15 0.45 1.24 0.15 0.45 1.24 0.15 0.45 1.24 0.15 0.45 1.24 0.15 0.45 1.24 0.15 0.45 1.39 0.10 0.45 1.49 0.10 1.40 0.20 0.45 1.40 0.10 1.40 0.11 1.41 0.15 0.57 1.64 0.11 1.64 0.12 1.64 0.12 1.64 0.14 1.64 0.14 1.64 0.15 1.64 0.1					Income Ef	Income Effects (\$MM)	
# Lewisville Lake		Project		Direct	Indirect	Induced	Total
Navarro Mills Lake	3WD (cont) Fort Worth (co	#	ıke	20.93	4.18	9.64	34.75
O.C. Fisher Lake 4.43 0.80 Proctor Lake 12.65 2.30 Ray Roberts Lake 12.65 1.51 Sillihouse Hollow Reservoir 7.40 1.27 Town Buff Dam B.A. Steinhagen Lake 2.25 0.41 Whitney Lake 6.45 1.18 # Wright Patman Dam and Lake 9.15 1.18 # Wright Patman Dam and Lake 6.13 1.04 # Wright Patman Dam and Lake 6.45 1.18 # Wright Patman Dam and Lake 6.13 1.04 # Barker Dam 8.18 0.15 Wallswille Reservoir 12.86 2.77 # Blue Mountain Lake 0.79 0.12 # Blue Mountain Lake 34.06 6.16 Clearwaler Lake 0.79 0.12 Dequeen Lake 0.04 0.12 Clearwaler Lake 0.04 0.16			s Lake	2.79	0.51	1.41	4.70
Ray Roberts Lake		O.C. Fisher	Lake	4.43	0.80	2.24	7.47
Ray Roberts Lake		Proctor Lake		1.81	0.33	0.92	3.06
# Sam Raybum Reservoir 8.83 1.51 # Somerville Lake Sillhouse Hollow Reservoir 7.40 1.27 Town Bluff Dam B.A. Steinhagen Lake 1.91 0.35 # Wintrey Lake 6.45 1.18 # Wintrey Lake 6.45 1.18 # Blue Mountain Lake 0.79 0.12 # Blue Mountain Lake 0.79 0.12 # Bull Shoals Lake 0.79 0.12 # Bull Shoals Lake 0.79 0.12 # Blue Mountain Lake 0.79 0.12 # Bull Shoals Lake 0.79 0.15 # Mountain Lake 0.79 0.15 # A David D. Terry Lock and Dam - Ark.Riv.Nav.Sys 0.35 # Glilham Lake 0.18 # Millwood Lake 0.05 # Millwood Lake 0.05 # Millwood Lake 0.05 # Norfork Lake 0		Ray Roberts	Lake	12.65	2.30	6.40	21.35
# Somerville Lake			m Reservoir	8.83	1.51	4.85	15.19
Stillhouse Hollow Reservoir			ake	7.40	1.27	3.35	12.02
Town Bluff Dam B.A. Steinhagen Lake 1.91 0.35 # Waco Lake 9.15 1.485 # Whitney Lake 6.45 1.18 # Widght Patman Dam and Lake 6.13 1.04 # Addicks Dam 2.45 0.45 Barker Dam 2.45 0.45 # Blue Mountain Lake 0.79 0.12 # Blue Mountain Lake 0.79 0.12 # Bull Shoals Lake 2.23 0.41 Clearwater Lake 2.23 0.41 Clearwater Lake 2.23 0.41 Dequeen Lake 0.89 0.16 Dequeen Lake 0.89 0.16 Dients Lake 0.89 0.16 Gillman Lake 0.89 0.16 # Mullwood Lake 3.31 0.57 # Mullwood Lake 3.34 0.54 # Niminod Lake 3.34 0.54 # Norfork Lake 0.22 0.04 Worrel Lake 4.18 0.76 Worrel Lake Lake Riv Riv Nav Sys 0.22 0.04 <		Stillhouse H	ollow Reservoir	2.25	0.41	1.14	3.79
# Wazo Lake 9.15 1.35 # Whitney Lake 6.45 1.18 # Wright Patman Dam and Lake 6.13 1.04 # Addicks Dam 9.99 2.03 Barker Dam 0.45 0.45 Wallisville Reservoir 0.84 0.15 # Barver Lake 0.79 0.12 # Bull Shoals Lake 0.79 0.12 # Bull Shoals Lake 0.79 0.12 Clearwater Lake 0.79 0.41 # Dardanelle Lake - Ark Riv.Nav.Sys 7.19 1.71 # Dardanelle Lake - Ark Riv.Nav.Sys 7.19 1.71 Dequeen Lake 0.89 0.16 Dienks Lake 0.89 0.16 Dienks Lake 0.89 0.76 John Paul Hammerschmidt Lake 27.61 4.67 John Paul Hammerschmidt Lake 3.31 0.57 # Milwood Lake 4.18 0.76 # Norfork Lake 0.22 0.04 Wordel Lake 0.22 0.04 Wordel Lake 0.22		Town Bluff	Jam B.A. Steinhagen Lake	1.91	0.35	76:0	3.23
# Whitney Lake 6.45 1.18 # Wright Patman Dam and Lake 6.13 1.04 # Addicks Dam 9.99 2.03 Barker Dam 2.45 0.45 Wallisville Reservoir 0.15 0.15 Wallisville Reservoir 0.15 0.15 # Blue Mountain Lake 0.12 2.77 # Blue Mountain Lake 0.12 0.12 Clearwater Lake 0.12 0.12 # Dardanelle Lake - Ark Riv Nav.Sys 7.19 1.71 Dequeen Lake 0.89 0.16 Dierks Lake 0.89 0.16 Gillham Lake 0.89 0.16 Gillham Lake 0.68 0.16 John Paul Hammerschmidt Lake 4.18 0.76 # Millwood Lake 3.31 0.57 # Nillwood Lake 3.34 0.57 # Norfork Lake 8.78 1.49 Worrell Lock and Dam - Ark Riv Nav Sys 0.22 Worrell Lock and Dam - Ark Riv Nav Sys 0.26 Worrell Lock and Dam - Ark Riv Nav Sys <td< td=""><td></td><td></td><td></td><td>9.15</td><td>1.85</td><td>5.45</td><td>16.45</td></td<>				9.15	1.85	5.45	16.45
# Wright Patrman Dam and Lake 6.13 1.04 # Addicks Dam 9.99 2.03 Barker Dam 2.45 0.45 Wallisville Reservoir 0.84 0.15 # Barver Lake 12.86 2.77 # Blue Mountain Lake 0.79 0.12 Clearwater Lake 0.79 0.41 # Dardanelle Lake - Ark Riv. Nav. Sys 7.19 1.71 # David D. Terry Lock and Dam - Ark. Riv. Nav. Sys 7.19 0.16 Dierks Lake 0.89 0.16 Gillham Lake 0.68 0.16 Gillham Lake 0.68 0.16 John Paul Hammerschmidt Lake 4.18 0.76 # Millwood Lake 3.31 0.57 # Nimrod Lake 3.38 0.34 # Norrok Lake 1.45 0.02 # Norrok Lake 0.22 0.04 Norrell Lock and Dam - Ark Riv Nav Sys 0.22 0.04 Morriel Lock and Dam - Ark Riv Nav Sys 0.22 0.04 Orack Lake 0.02 0.04		L	(6	6.45	1.18	4.39	12.02
# Addicks Dam 9.99 2.03 Barker Dam 2.45 0.45 Wallisville Reservoir 0.15 0.15 # Beaver Lake 2.77 0.12 # Bull Shoals Lake 0.79 0.12 Clearwafer Lake 34.06 6.16 2 Clearwafer Lake 2.23 0.41 1.68 # David D. Terry Lock and Dam - Ark.Riv.Nav.Sys 7.19 1.71 1.68 Dequeen Lake 0.16 0.16 0.16 0.16 Dierks Lake 0.189 0.16 0.16 0.16 Albin Paul Hammerschmidt Lake 27.61 4.67 1 John Paul Hammerschmidt Lake 3.31 0.22 0.22 # Nilwood Lake 3.31 0.57 0.22 # Norfork Lake 8.78 1.49 0.04 Orzak Lake Lake Riv Riv Nav Sys 0.22 0.04 Orzak Lake Lake Lake Riv Riv Nav Sys 0.22 0.04			nan Dam and Lake	6.13	1.04	3.47	10.64
Barker Dam 2.45 0.45 Wallisville Reservoir 0.84 0.15 # Beaver Lake 2.77 0.12 # Blue Mountain Lake 0.79 0.12 # Bull Shoals Lake 34.06 6.16 2 Clearwater Lake 2.23 0.41 2 # David D. Terry Lock and Dam - Ark.Riv.Nav.Sys 7.19 1.71 1.71 Dequeen Lake 0.89 0.16 0.12 Dierks Lake 0.89 0.16 0.16 Gillham Lake 0.68 0.16 0.16 # Greeirs Ferry Lake 27.61 4.67 1 John Paul Hammerschmidt Lake 4.18 0.76 1 # Millwood Lake 3.31 0.57 1 # Millwood Lake 8.78 1.49 0.76 # Nimrod Lake 8.78 1.49 0.74 Worfork Lake Norfork Lake 8.78 1.49 Norark Lake Ark Riv Nav Sys 0.22 0.04 Ozark Lake Ark Riv Nav Sys 0.22 0.41	Galveston		ı.	66.6	2.03	4.50	16.52
# Beaver Lake 0.84 0.15 # Blue Mountain Lake 0.79 0.12 # Bull Shoals Lake 34.06 6.16 2.77 # Bull Shoals Lake 34.06 6.16 2.23 Clearwater Lake 2.23 0.41 2.23 # David D. Terry Lock and Dam - Ark.Riv.Nav.Sys 7.19 1.71 Dequeen Lake 0.89 0.16 0.22 Dierks Lake 0.89 0.16 0.12 Gillham Lake 0.68 0.16 0.16 A Greers Ferry Lake 0.68 0.16 0.16 John Paul Hammerschmidt Lake 4.18 0.76 0.16 Millwood Lake 3.31 0.57 1 # Millwood Lake 3.38 0.94 1 # Nimrod Lake 8.78 1.49 0.22 # Norfork Lake 8.78 1.49 0.74 Arak Riv Nav Sys 0.22 0.04 0.74		Barker Dam		2.45	0.45	1.24	4.14
# Blue Mountain Lake 12.86 2.77 # Blue Mountain Lake 0.79 0.12 # Bull Shoals Lake 34.06 6.16 2 Clearwater Lake 2.23 0.41 1.68 # Dardanelle Lake - Ark.Riv.Nav.Sys 7.19 1.71 1.71 Dequeen Lake 0.89 0.16 0.16 Dijerks Lake 0.68 0.16 0.16 Gillham Lake 0.68 0.16 0.16 John Paul Hammerschmidt Lake 4.18 0.76 0.16 # Multiny Lock and Dam - Ark.Riv.Nav.Sys 3.31 0.57 1.45 # Norfork Lake 8.78 1.49 0.04 Morrell Lock and Dam - Ark.Riv.Nav.Sys 0.22 0.04 Ozzark Lake - Ark Riv Nav.Sys 0.22 0.04 Ozzark Lake - Ark Riv Nav.Sys 0.25 0.04		Wallisville	eservoir	0.84	0.15	0.43	1.42
# Blue Mountain Lake 0.79 0.12 # Bull Shoals Lake 34.06 6.16 2 Clearwater Lake 2.23 0.41 2 # David D. Terry Lock and Dam - Ark.Riv.Nav.Sys 7.19 1.71 1.68 # David D. Terry Lock and Dam - Ark.Riv.Nav.Sys 7.19 0.22 1.71 Dierks Lake 0.89 0.16 0.16 0.16 Dierks Lake 0.068 0.16 0.16 0.16 Gillham Lake 3.31 0.76 1.49 0.76 # Greers Ferry Lake 3.31 0.57 1.45 0.22 # Murray Lock and Dam - Ark.Riv.Nav.Sys 3.38 0.34 1.49 # Norreit Lake 8.78 1.49 0.74 Norreit Lake 8.78 0.04 Norreit Lake 0.22 0.04 O Czark Lake 0.41 0.41	Little Rock		0	12.86	2.77	7.38	23.02
Bull Shoals Lake 34.06 6.16 2 Cleanwater Lake 2.23 0.41 2.23 0.41 Dardanelle Lake - Ark.Riv.Nav.Sys 7.19 1.71 1.71 Dequeen Lake 7.19 1.71 0.22 Dierks Lake 0.89 0.16 0.12 Gillham Lake 0.68 0.12 1 Greers Ferry Lake 4.18 0.76 1 John Paul Hammerschmidt Lake 4.18 0.76 1 Millwood Lake 3.31 0.57 1 Milmrod Lake 1.45 0.22 0.04 Norfork Lake 8.78 1.49 0.02 Norfork Lake 8.78 1.49 0.04 Norak Lake 8.78 0.04 0.04			ain Lake	0.79	0.12	0.32	1.23
Cleanwater Lake 2.23 0.41 Dardanelle Lake - Ark.Riv.Nav.Sys 9.35 1.68 David D. Terry Lock and Dam - Ark.Riv.Nav.Sys 7.19 1.71 Dequeen Lake 1.19 0.22 Dierks Lake 0.89 0.16 Gillham Lake 0.68 0.12 Greers Ferry Lake 27.61 4.67 1 John Paul Hammerschmidt Lake 4.18 0.76 1 Millwood Lake 3.31 0.57 1 Milmrod Lake 1.45 0.22 0.94 Norfork Lake 8.78 1.49 0.04 Norak Lake 8.78 1.49 0.04 Norak Lake 0.22 0.04 0.04			Lake	34.06	6.16	25.14	65.36
Dardanelle Lake - Ark.Riv.Nav.Sys 9.35 1.68 David D. Terry Lock and Dam - Ark.Riv.Nav.Sys 7.19 1.71 Dequeen Lake 1.19 0.22 Dierks Lake 0.68 0.16 Gillham Lake 27.61 4.67 1 Greers Ferry Lake 27.61 4.67 1 John Paul Hammerschmidt Lake 4.18 0.76 Millwood Lake 3.31 0.57 Nimrod Lake 1.45 0.22 Norfork Lake 8.78 1.49 Norfork Lake 8.78 1.49 Norfork Lake 8.78 1.49 Norfork Lake 0.22 0.04 Norfork Lake 0.25 0.04		Clearwater	Lake	2.23	0.41	1.13	3.77
David D. Terry Lock and Dam - Ark.Riv.Nav.Sys 7.19 1.71 Dequeen Lake 1.19 0.22 Dierks Lake 0.89 0.16 Gillham Lake 0.68 0.12 Goreers Ferry Lake 27.61 4.67 1 John Paul Hammerschmidt Lake 4.18 0.76 Millwood Lake 3.31 0.57 Millwood Lake 3.31 0.57 Nimrod Lake 1.45 0.22 Norfork Lake 8.78 1.49 Norrell Lock and Dam - Ark.Riv.Nav.Sys 0.22 0.04 Ozzark Lake - Ark Riv Nav.Sys 2.26 0.41				9.35	1.68	4.31	15.34
Dequeen Lake 1.19 0.22 Dierks Lake 0.89 0.16 Gillham Lake 0.68 0.12 Greers Ferry Lake 27.61 4.67 1 John Paul Hammerschmidt Lake 4.18 0.76 0.76 Millwood Lake 3.31 0.57 0.57 Nimrod Lake 1.45 0.22 0.94 Norfork Lake 8.78 1.49 0.04 Norell Lock and Dam - Ark Riv Nav. Sys 0.22 0.04 Ozzark Lake - Ark Riv Nav. Sys 2.26 0.41			erry Lock and Dam - Ark.Riv.Nav.Sys	7.19	1.71	3.97	12.87
Dierks Lake 0.89 0.16 Gillham Lake 0.68 0.12 Greers Ferry Lake 27.61 4.67 1 John Paul Hammerschmidt Lake 4.18 0.76 1 Millwood Lake 3.31 0.57 0.57 Nimrod Lake 3.98 0.94 0.22 Norfork Lake 8.78 1.49 0.04 Norell Lock and Dam - Ark Riv Nav. Sys 0.22 0.04 Opark Lake - Ark Riv Nav. Sys 0.25 0.04		Dequeen La	ake	1.19	0.22	09:0	2.00
Gillham Lake 0.68 0.12 Greers Ferry Lake 27.61 4.67 1 John Paul Hammerschmidt Lake 4.18 0.76 1 Millwood Lake 3.31 0.57 0.57 In Murray Lock and Dam - Ark.Riv.Nav.Sys 3.98 0.94 0.22 Norfork Lake 8.78 1.49 0.04 Norrell Lock and Dam - Ark.Riv.Nav.Sys 0.22 0.04 Ozark Lake - Ark Riv Nav.Sys 2.26 0.41		Dierks Lake		0.89	0.16	0.45	1.50
Greer's Ferry Lake 27.61 4.67 1 John Paul Hammerschmidt Lake 4.18 0.76 0.76 Millwood Lake 3.31 0.57 0.57 Murray Lock and Dam - Ark.Riv.Nav.Sys 3.98 0.94 0.22 Norfork Lake 8.78 1.49 0.04 Norral Lock and Dam - Ark.Riv.Nav.Sys 0.22 0.04 Ozark Lake - Ark Riv Nav.Sys 2.26 0.41		Gillham Lak	(e	0.68	0.12	0.35	1.15
John Paul Hammerschmidt Lake 4.18 0.76 Millwood Lake 3.31 0.57 Murray Lock and Dam - Ark.Riv.Nav.Sys 3.98 0.94 Nimrod Lake 1.45 0.22 Norfork Lake 8.78 1.49 Norrell Lock and Dam - Ark.Riv.Nav.Sys 0.22 0.04 Ozark Lake - Ark Riv Nav.Sys 2.26 0.41			y Lake	27.61	4.67	15.61	47.89
Millwood Lake 3.31 0.57 Murray Lock and Dam - Ark.Riv.Nav.Sys 3.98 0.94 Nimrod Lake 1.45 0.22 Norfork Lake 8.78 1.49 Norrell Lock and Dam - Ark.Riv.Nav.Sys 0.04 Ozark Lake - Ark Riv Nav. Sys 2.26 0.41		John Paul	lammerschmidt Lake	4.18	0.76	2.11	7.05
Murray Lock and Dam - Ark.Riv.Nav.Sys 3.98 0.94 Nimrod Lake 1.45 0.22 Norfork Lake 8.78 1.49 Norrell Lock and Dam - Ark.Riv.Nav.Sys 0.22 0.04 Ozark Lake - Ark Riv Nav.Sys 2.26 0.41			ıke	3.31	0.57	1.64	5.52
Nimrod Lake 1.45 0.22 Norfork Lake 8.78 1.49 Norrell Lock and Dam - Ark.Riv.Nav.Sys 0.22 0.04 Ozark Lake - Ark Riv Nav Sys 2.26 0.41				3.98	0.94	2.09	7.01
Norfork Lake 8.78 1.49 Norrell Lock and Dam - Ark.Riv.Nav.Sys 0.22 0.04 Ozark Lake - Ark Riv Nav Svs 2.26 0.41			Ð	1.45	0.22	0.57	2.25
0.22 0.04			e)	8.78	1.49	7.51	17.78
Riv Nav Svs 0.41		Norrell Loc	k and Dam - Ark.Riv.Nav.Sys	0.22	0.04	0.11	0.37
		Ozark Lake	- Ark.Riv.Nav.Sys	2.26	0.41	1.14	3.81

Division Division Project Incinente Effects (SMM) Total Incinente Incinents (SMM) Total Co. SVID (cont) Little Rock (cont) Prod 15 Lock and Dam-Akt Riv Nav.Sys 2.91 0.07 0.08 0.08 Rock Self-Little And Dam-Akt Riv Nav.Sys 0.99 0.18 0.50 1.57 1.57 Rock Self-Little And Dam-Akt Riv Nav.Sys 0.99 0.18 0.50 1.57 1.50 Tules R Table Rock Lake 0.99 0.18 0.50 1.57 1.50 1.57 Tules R Tool Sulk Efery Lock and Dam-Akt Riv Nav.Sys 1.75 0.20 0.57 1.50 0.57 0.57 0.50 0.57 0.50 0.58 0.58 0.57 0.50 0.58	Table E3 (Continued)	d)				
Prode to control of				Income Effe	ects (\$MM)	
Pool 5 Lock and Dam - Ark Riv.Nav.Sys 0.40 0.07 0.20 Pool 5 Lock and Dam - Ark Riv.Nav.Sys 2.91 0.53 1.47 Pool 5 Lock and Dam - Ark Riv.Nav.Sys 0.99 0.18 0.50 # Toda Stuck Fart.Nav.Sys 0.89 0.18 0.50 # Toda Stuck Fart.Lock and Dam-Ark.Riv.Nav.Sys 1.75 0.23 0.41 1.13 Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys 1.12 0.20 0.57 0.10 Bricken Bow Lake 4.75 0.10 0.23 0.57 Bricken Bow Lake 4.75 0.73 0.73 0.73 Chouleau Lock and Dam 17 0.86 0.73 0.73 0.74 Chouleau Lock and Dam 17 0.86 0.73 0.73 0.73 Chouleau Lock and Dam 17 0.86 0.73 0.73 0.73 Chouleau Lock and Dam 17 0.86 0.73 0.73 0.73 E Lorado Lake 1.00 0.65 0.73 0.73 0.74 # Evital Ciliscon Lake 1.20 0.73 0.74	DIVISION DISTRICT	Proje	Direct	Indirect	Induced	Total
Proof Lock and Dam - Ark Riv Nav Sys 291 0.63 147 Poof Lock and Dam - Ark Riv Nav Sys 0.90 0.16 0.45 Rockeleller Lake-Ormand Lake 0.99 0.16 0.25 # Table Rock Lake 0.99 0.16 0.55 Wilbur Lock and Dam-Ark Riv Nav Sys 2.23 0.41 1.13 Wilbur D. Millis Lock and Dam-Ark Riv Nav Sys 1.12 0.20 0.57 Birch Lake 0.57 0.10 0.29 0.68 Birch Lake 0.57 0.10 0.29 0.73 0.89 Chouteau Lock and Dam 17 0.86 0.16 0.73 0.73 0.44 Copan Lake 0.05 0.16 0.16 0.18 0.14 Copan Lake 0.05 0.12 0.13 0.14 0.13 0.14 Eliable Lake 0.00 0.13 0.13 0.13 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 <td>SWD (cont) Little Rock (con</td> <td>Pool 3 Lock and</td> <td>0.40</td> <td>0.07</td> <td>0.20</td> <td>0.68</td>	SWD (cont) Little Rock (con	Pool 3 Lock and	0.40	0.07	0.20	0.68
Pool 5 Lock and Dam. Ark Riv Mav. Sys 0.99 0.16 0.45			2.91	0.53	1.47	4.92
## Cockeleller Lake-Ormand L & D-Ark-Riv-Nav-Sys		Pool 5 Lock and Dam - Ark.Riv.Nav.Sys	0.90	0.16	0.45	1.51
# Table Rock Lake 26.89 5.25 15.50 Toad Suck Ferry Lock and Dam-Ark Riv Mav Sys 1.72 0.41 1.13 Wilbur D. Mills Lock and Dam-Ark Riv Mav Sys 1.72 0.20 0.83 Arcadia Lake 0.57 0.10 0.29 Birch Lake 0.57 0.10 0.29 Birch Lake 0.57 0.10 0.29 Chouteau Lock and Dam 17 0.86 0.75 0.14 Copen Lake 0.35 0.76 0.16 0.18 Copen Lake 0.35 0.06 0.16 0.18 El Dorado Lake 0.35 0.06 0.16 0.17 El Dorado Lake 0.35 0.06 0.16 0.17 El Dorado Lake 0.65 0.12 0.17 0.18 El City Lake 0.65 0.12 0.20 0.18 Fell Riber Lake 1.03 0.13 0.17 0.12 Fold Sibord Lake 1.04 0.69 0.11 0.14 Ford Sipopi Lake		Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys	0.99	0.18	0.50	1.67
Toad Stuck Ferry Lock and Dam-Ark Riv Mav Sys 2.23 0.41 1.13 Willbur D. Mills Lock and Dam-Ark Riv Mav. Sys 1.76 0.32 0.89 Arradia Lake 0.57 0.10 0.29 Birch Lake 0.57 0.10 0.29 # Encken Bow Lake 4.47 0.81 2.26 # Council Grove 0.35 0.06 0.18 Council Grove 1.65 0.30 0.68 Eli Darado Lake 0.66 0.16 0.18 Council Grove 1.65 0.30 0.62 Eli Chiy Lake 0.66 0.13 0.63 # Eufaula Lake 0.66 0.13 0.35 # Full Clisson Lake 0.69 0.13 0.35 # Fort Supply Lake 1.26 0.26 0.72 # Fort Supply Lake 1.42 0.26 0.72 # Fort Supply Lake 1.42 0.26 0.72 Halphr Lake 0.66 0.13 0.46 Halphr Lake 0.67 0.16 0.49<		Table Rock Lake	26.69	5.25	15.50	47.44
Wilbur D. Mills Lock and Dam-Ark Riv.Nav.Sys 1.76 0.32 0.69 Arcadia Lake 1.12 0.20 0.57 Birch Lake 0.57 0.10 0.29 Broken Bow Lake 4.47 0.81 2.26 Broken Bow Lake 3.39 0.73 1.37 Chouleau Lock and Dam 17 0.86 0.16 0.44 Copan Lake 0.05 0.06 0.18 Council Grove 1.66 0.30 0.83 El Dorado Lake 1.65 0.05 0.17 El Council Grove 0.65 0.12 0.33 # Eufablu Lake 0.65 0.12 0.33 # Ford Gibson Lake 1.20 0.22 0.61 Fort Supply Lake 1.20 0.22 0.61 Fort Supply Lake 1.42 0.26 0.72 Helybur Lake 1.65 0.09 0.14 Hoto Lake 1.66 0.09 0.14 Kavatore Lake 1.66 0.09 0.16 M		Toad Suck Ferry Lock and Dam-Ark.Riv.Nav.Sys	2.23	0.41	1.13	3.77
Arcadia Lake 1.12 0.20 0.57 Birch Lake 0.57 0.10 0.29 Brich Lake 4.47 0.10 0.29 # Canton Lake 3.39 0.73 1.37 Chouteau Lock and Dam 17 0.86 0.16 0.44 Copan Lake 0.35 0.06 0.18 Council Grove 1.65 0.30 0.83 Elix Chy Lake 0.62 0.12 0.83 # Eufaula Lake 1.0.38 2.11 5.07 Fall River Lake 0.69 0.13 0.35 # Ford Gibson Lake 1.20 0.22 0.72 Fall River Lake 0.69 0.13 0.35 # Ford Gibson Lake 1.20 0.22 0.72 Hugo Lake 0.69 0.13 0.35 Hugo Lake 0.69 0.18 0.75 Hugo Lake 0.69 0.18 0.04 Marion Reservoir 0.83 0.14 0.85 Marion Reservoir 0.83 <td></td> <td>Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys</td> <td>1.76</td> <td>0.32</td> <td>0.89</td> <td>2.97</td>		Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys	1.76	0.32	0.89	2.97
Birch Lake 0.57 0.10 0.29 Broken Bow Lake 4.47 0.81 2.26 Canton Lake 0.35 0.73 1.37 Chouteau Lock and Dam 17 0.36 0.16 0.44 Copan Lake 0.35 0.06 0.18 Council Grove 1.65 0.30 0.83 El Dorado Lake 0.65 0.12 0.33 El Council Grove 0.65 0.12 0.33 El Dorado Lake 0.65 0.12 0.33 El City Lake 1.038 2.11 5.07 Fall River Lake 0.69 0.13 0.35 Fort Supply Lake 1.20 0.22 0.03 Fort Supply Lake 1.42 0.26 0.75 Hugo Lake 0.69 0.15 0.26 John Redmond Reservoir 0.63 0.15 0.49 Kay Lake Kay Lake 0.69 0.16 0.42 Kaystone Lake 7.64 1.85 0.05 0.42 <t< td=""><td>Tulsa</td><td>Arcadia Lake</td><td>1.12</td><td>0.20</td><td>0.57</td><td>1.89</td></t<>	Tulsa	Arcadia Lake	1.12	0.20	0.57	1.89
Broken Bow Lake 4.47 0.81 2.26 Canton Lake 3.39 0.73 1.37 Copan Lake 0.04 0.06 0.18 Copan Lake 1.65 0.30 0.83 Countil Grove 1.65 0.30 0.83 El Dorado Lake 0.65 0.12 0.72 Elk City Lake 0.65 0.12 0.72 Elk City Lake 10.38 2.11 5.07 Fall River Lake 0.69 0.13 0.35 Fort Supply Lake 1.20 0.22 0.72 Fort Supply Lake 1.20 0.25 0.71 0.35 Heyburn Lake 1.20 0.25 0.07 0.49 Kaw Lake 0.65 0.11 0.25 0.09 0.26 Hugh Lake 7.64 1.85 4.02 0.42 Kaystone Lake 7.64 1.85 4.02 Marion Reservoir 0.90 0.15 0.15 0.42 New Cisham Lake 7.10<		Birch Lake	0.57	0.10	0.29	96.0
Canton Lake 3.39 0.73 1.37 Chouteau Lock and Dam 17 0.86 0.16 0.44 Copan Lake 0.35 0.06 0.18 Council Grove 1.65 0.30 0.83 El Dorado Lake 3.40 0.62 1.72 El Dorado Lake 3.40 0.62 1.72 El City Lake 0.65 0.12 0.83 Eufaula Lake 10.38 2.11 5.07 Fall River Lake 0.69 0.13 0.35 Fort Supply Lake 13.60 1.86 6.74 Fort Supply Lake 1.20 0.22 0.61 Fort Supply Lake 1.20 0.25 0.26 0.72 Hugh Lake 0.63 0.11 0.36 0.26 0.72 Hugh Lake 0.52 0.09 0.15 0.49 0.49 Kaw Lake 0.65 0.30 0.15 0.42 1.16 Newt Graham Lock and Dam 18 0.30 0.14 0.15 0.09		Broken Bow Lake	4.47	0.81	2.26	7.54
Chouteau Lock and Dam 17 0.86 0.16 0.44 Copan Lake 0.35 0.06 0.18 Council Grove 1.65 0.30 0.83 El Dorado Lake 3.40 0.62 1.72 Elk City Lake 0.65 0.12 0.33 Eufaula Lake 10.38 2.11 5.07 Fall River Lake 0.69 0.13 0.35 Fort Gibson Lake 1.20 0.28 6.74 Fort Supply Lake 1.20 0.26 0.72 Heyburn Lake 1.20 0.26 0.72 Heyburn Lake 0.63 0.11 0.32 Hugo Lake 0.63 0.11 0.35 Hugh Lake 0.52 0.09 0.26 John Redmond Reservoir 0.63 0.18 0.49 Kaystone Lake 0.65 0.09 0.16 0.42 Marion Reservoir 0.83 0.15 0.09 0.42 Kaystone Lake 0.63 0.16 0.42 0.45 <td></td> <td></td> <td>3.39</td> <td>0.73</td> <td>1.37</td> <td>5.49</td>			3.39	0.73	1.37	5.49
Copan Lake 0.35 0.06 0.18 Council Grove 1.65 0.30 0.63 El Dorado Lake 3.40 0.62 1.72 Elk City Lake 0.65 0.12 0.33 Fall River Lake 10.38 2.11 5.07 Fall River Lake 0.69 0.13 0.35 Fort Supply Lake 1.20 0.22 0.61 Great Salt Plains 1.20 0.22 0.61 Heyburn Lake 1.20 0.26 0.72 Hugo Lake 0.63 0.11 0.30 0.26 Julnah Lake 0.63 0.15 0.09 0.26 Julnah Lake 0.83 0.15 0.09 0.49 Kay Lake 0.09 0.16 0.42 4.02 Marion Reservoir 0.09 0.15 0.09 0.15 0.09 Marion Reservoir 0.00gah Lake 0.00 0.16 0.42 1.16 Oologah Lake 0.015 0.03 0.05		Chouteau Lock and Dam 17	0.86	0.16	0.44	1.45
Council Grove 1.65 0.30 0.83 El Dorado Lake 3.40 0.62 1.72 Elk City Lake 0.65 0.12 0.33 Eufaula Lake 10.69 0.13 0.35 Fall River Lake 0.69 0.13 0.35 Fort Gibson Lake 1.20 0.22 0.61 Fort Supply Lake 1.20 0.22 0.61 Great Salt Plains 1.20 0.22 0.61 Heyburn Lake 1.20 0.26 0.72 Hugo Lake 0.63 0.11 0.32 Hulah Lake 0.63 0.18 0.49 John Redmond Reservoir 0.83 0.15 0.09 Kay Lake 0.83 0.15 0.04 Marion Reservoir 2.30 0.42 1.16 Newt Graham Lock and Dam 18 0.90 0.16 0.45 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.15 0.03 0.08 Pat Mayse Lake		Copan Lake	0.35	90.0	0.18	0.59
El Dorado Lake 3.40 0.62 1.72 Elk City Lake 0.65 0.12 0.33 Eufaula Lake 10.38 2.11 5.07 Fall River Lake 0.69 0.13 0.35 Fort Gibson Lake 1.20 0.22 0.61 Fort Supply Lake 1.20 0.22 0.61 Great Salt Plains 1.42 0.26 0.72 Heyburn Lake 0.63 0.11 0.32 Hugo Lake 1.65 0.30 0.18 0.26 Hulah Lake 0.63 0.16 0.26 0.26 John Redmond Reservoir 0.97 0.18 0.42 4.02 Kaw Lake 7.64 1.85 4.02 4.02 Marion Reservoir 0.93 0.15 0.16 0.46 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.03 0.03 0.03 0.08 Pat Mayse La		Council Grove	1.65	0.30	0.83	2.78
Elk City Lake 0.65 0.12 0.33 Eufaula Lake 10.38 2.11 5.07 Fall River Lake 0.69 0.13 0.35 Fort Gibson Lake 13.60 1.88 6.74 Fort Supply Lake 1.20 0.22 0.61 Great Salt Plains 1.42 0.26 0.72 Heyburn Lake 0.63 0.11 0.32 Hugo Lake 1.65 0.30 0.18 0.26 Hulah Lake 0.52 0.09 0.26 0.42 Kaw Lake 0.63 0.18 0.42 4.02 Kaystone Lake 7.64 1.85 4.02 Marion Reservoir 0.83 0.15 0.45 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.05 0.05 0.06 0.06 Optima Lake 0.05 0.05 0.05 0.06 Optima Lake 0.05		El Dorado Lake	3.40	0.62	1.72	5.73
Eufaula Lake 10.38 2.11 5.07 Fall River Lake 0.69 0.13 0.35 Fort Gibson Lake 1.20 0.22 0.61 Fort Supply Lake 1.20 0.22 0.61 Great Salt Plains 1.42 0.26 0.72 Heyburn Lake 0.63 0.11 0.32 Hujah Lake 1.65 0.30 0.83 Hulah Lake 0.52 0.09 0.26 John Redmond Reservoir 0.97 0.18 0.49 Kaw Lake 7.64 1.85 4.02 Marion Reservoir 7.64 1.85 4.02 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.15 0.03 0.08 Pat Mayse Lake 0.15 0.03 0.06		Elk City Lake	0.65	0.12	0.33	1.09
Fall River Lake 0.69 0.13 0.35 Fort Gibson Lake 1.20 1.20 0.72 0.61 Great Salt Plains 1.20 0.22 0.61 0.72 Heyburn Lake 0.63 0.11 0.32 0.72 0.63 0.72 0.63 0.72 0.63 0.72 0.63 0.72 0.63 0.72 0.63 0.72 0.63 0.72 0.73 0.83 0.83 0.83 0.83 0.42 0.43 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.45 <td></td> <td></td> <td>10.38</td> <td>2.11</td> <td>5.07</td> <td>17.56</td>			10.38	2.11	5.07	17.56
Fort Gibson Lake 13.60 1.88 6.74 Fort Supply Lake 1.20 0.22 0.61 Great Salt Plains 1.42 0.26 0.72 Heyburn Lake 0.63 0.11 0.32 Hugo Lake 1.65 0.30 0.13 0.26 Hulah Lake 0.52 0.09 0.26 John Redmond Reservoir 0.97 0.18 0.49 Kaw Lake 0.083 0.15 0.42 Keystone Lake 7.64 1.85 4.02 Marion Reservoir 2.30 0.42 1.16 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.05 0.05 0.06 0.06 Pat Mayse Lake 0.05 0.05 0.70 0.70		- 1	0.69	0.13	0.35	1.16
Fort Supply Lake 1.20 0.22 0.61 Great Salt Plains 1.42 0.26 0.72 Heyburn Lake 0.63 0.11 0.32 Hulah Lake 0.52 0.09 0.26 John Redmond Reservoir 0.97 0.18 0.49 Kaw Lake 0.03 0.15 0.42 Keystone Lake 7.64 1.85 4.02 Marion Reservoir 2.30 0.42 1.16 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.15 0.03 0.08 Pat Mayse Lake 0.15 0.03 0.05			13.60	1.88	6.74	22.22
Great Salt Plains 1.42 0.26 0.72 Heyburn Lake 0.63 0.11 0.32 Hugo Lake 1.65 0.30 0.83 Hulah Lake 0.52 0.09 0.26 John Redmond Reservoir 0.97 0.18 0.49 Kaw Lake 0.083 0.15 0.42 Keystone Lake 7.64 1.85 4.02 Marion Reservoir 2.30 0.45 4.02 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.15 0.03 0.08 Pat Mayse Lake 0.15 0.025 0.70	-	Fort Supply Lake	1.20	0.22	0.61	2.03
Heyburn Lake 0.63 0.11 0.32 Hugo Lake 1.65 0.30 0.83 Hulah Lake 0.52 0.09 0.26 John Redmond Reservoir 0.97 0.18 0.49 Kaw Lake 0.83 0.15 0.42 Keystone Lake 7.64 1.85 4.02 Marion Reservoir 2.30 0.42 1.16 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.15 0.03 0.08 Pat Mayse Lake 0.15 0.03 0.08		Great Salt Plains	1.42	0.26	0.72	2.40
Hugo Lake 1.65 0.30 0.83 Hulah Lake 0.52 0.09 0.26 John Redmond Reservoir 0.97 0.18 0.42 Kaw Lake 7.64 1.85 4.02 Marion Reservoir 2.30 0.42 1.16 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.05 0.03 0.08 Pat Mayse Lake 1.38 0.25 0.70		Heyburn Lake	0.63	0.11	0.32	1.06
Hulah Lake 0.52 0.09 0.26 John Redmond Reservoir 0.97 0.18 0.49 Kaw Lake 0.83 0.15 0.42 Keystone Lake 7.64 1.85 4.02 Marion Reservoir 2.30 0.42 1.16 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.03 0.03 0.08 Pat Mayse Lake 1.38 0.25 0.70		Hugo Lake	1.65	0.30	0.83	2.78
John Redmond Reservoir 0.97 0.18 0.49 Kaw Lake 0.83 0.15 0.42 Keystone Lake 7.64 1.85 4.02 Marion Reservoir 2.30 0.42 1.16 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.15 0.03 0.08 Pat Mayse Lake 1.38 0.25 0.70		Hulah Lake	0.52	60.0	0.26	0.88
Kaw Lake 0.83 0.15 0.42 Keystone Lake 7.64 1.85 4.02 Marion Reservoir 2.30 0.42 1.16 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.015 0.03 0.08 Pat Mayse Lake 1.38 0.25 0.70		John Redmond Reservoir	0.97	0.18	0.49	1.63
Keystone Lake 7.64 1.85 4.02 Marion Reservoir 2.30 0.42 1.16 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.15 0.03 0.08 Pat Mayse Lake 1.38 0.25 0.70			0.83	0.15	0.42	1.40
Marion Reservoir 2.30 0.42 1.16 Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.15 0.03 0.08 Pat Mayse Lake 1.38 0.25 0.70			7.64	1.85	4.02	13.52
Newt Graham Lock and Dam 18 0.90 0.16 0.46 Oologah Lake 7.10 1.75 3.70 Optima Lake 0.15 0.03 0.08 Pat Mayse Lake 1.38 0.25 0.70		Marion Reservoir	2.30	0.42	1.16	3.89
Oologah Lake 7.10 1.75 3.70 Optima Lake 0.15 0.03 0.08 Pat Mayse Lake 1.38 0.25 0.70			06:0	0.16	0.46	1.52
0.15 0.03 0.08 1.38 0.25 0.70			7.10	1.75	3.70	12.55
1.38 . 0.25 0.70		Optima Lake	0.15	0.03	0.08	0.26
(Sheet 14 of 15)		Pat Mayse Lake	1.38	. 0.25	0.70	2.33
						(Sheet 14 of 15)

I able Es (collcidaeu)					
┢			Income Ef	Income Effects (\$MM)	
Division District	Project	Direct	Indirect	Induced	Total
SWD (cont) Tulsa (cont)	Pearson-Skubitz Big Hill Lake	0.86	0.16	0.43	1.44
	Pine Creek Lake	1.07	0.19	0.54	1.80
	Robert S. Kerr, Lock and Dam 15	4.21	0.77	2.13	7.11
	Sardis Lake	1.43	0.26	0.72	2.41
	Skiatook Lake	2.84	0.52	1.43	4.78
	# Tenkiller Ferry Lake	5.38	1.28	3.12	9.79
	# Texoma Lake	33.35	6.20	19.69	59.24
	Toronto Lake	0.75	0.14	0.38	1.27
	Truscott Brine Lake, Area VIII	0.04	0.01	0.02	90'0
	Waurika Lake	2.40	0.44	1.22	4.06
	Wd Mayo Lock and Dam 14	0.52	0.10	0.26	0.88
-	Webbers Falls Lock and Dam 16	2.37	0.43	1.20	4.00
	Wister Lake	2.02	0.37	1.02	3.41
	Total	2,024	369	1,022	3,416
	Average	4.44	0.81	2.24	7.49
					(Sheet 15 of 15)

				Inh Efforts	(Minmhor of Johe)	
Division	District	Project	Direct	Job Effects	ect Induced	Total
LRD	Detroit	Duluth-Superior Harbor	292.73	24.04	76.64	393.41
		Keweenaw Waterway	50.40	4.14	13.20	67.73
		St. Marys River	167.85	13.78	43.94	225.57
		Sturgeon Bay and Lake Michigan Ship Canal	3.58	0.29	0.94	4.81
	Huntington	# Alum Creek Lake	962.53	68.18	272.56	1303.27
		Atwood Lake	400.96	32.92	104.98	538.86
		Beach City Lake	15.02	1.23	3.93	20.19
		Beech Fork Lake	241.61	19.84	63.26	324.71
		Belleville Locks and Dam <ohio r=""></ohio>	233.55	23.79	53.14	310.48
		# Bluestone Lake	441.51	36.25	115.59	593.36
		Bolivar Dam	60.56	4.97	15.85	81.38
		Burnsville Lake	156.26	12.83	40.91	210.01
	-	Capt Anthony Meldahl Locks and Dam <ohio r=""></ohio>	225.15	18.49	58.95	302.59
		Charles Mill Lake	263.07	21.60	68.88	353.55
		Clendening Lake	60.29	4.95	15.78	81.03
		# Deer Creek Lake	1110.41	91.18	290.72	1492.31
		Delaware Lake	256.30	21.05	67.10	344.46
		Dewey Lake	246.90	17.61	85.85	350.36
		Dillon Lake	396.65	32.57	103.85	533.06
		Dover Dam	54.94	4.51	14.38	73.83
		East Lynn Lake	97.88	8.04	25.63	131.54
		Fishtrap Lake	214.42	21.85	45.70	281.96
		Grayson Lake	193.15	15.86	50.57	259.58
		Greenup Locks and Dam <ohio r=""></ohio>	617.94	50.74	161.79	830,47
		John W Flannagan Dam and Reservoir	123.42	10.13	32.31	165.86
		Leesville Lake	56.82	4.67	14.88	76.37
		London Locks and Dam <kanawha river=""></kanawha>	0.27	0.02	90.0	0.35
		Marmet Locks and Dam <kanawha river=""></kanawha>	18.50	1.52	4.84	24.86

Impacts on counties within 30 miles of CE projects of visitor trip spending within 30 miles of the projects. Includes full-time and part-time jobs.

Notes: LRD = Great Lakes and Ohio River; MVD = Mississippi Valley; NAD = North Atlantic; NWD = Northwestern; POD = Pacific Ocean; SAD = South Atlantic; SPD = South Pacific; SWD = Southwestern.

I. Projects where surveys were conducted to create the spending profiles for this study.

				AN Efforts	Joh Effects (Nimber of Johs)	
Division	District	Project	Direct	Indirect	Induced	Total
1	Unationaton (cont)	Mohauk Dam	74.09	6.08	19.40	99.57
_	randington (cont)	Mobicapville Dam	3.47	0.28	0.91	4.66
•		North Branch Kokosing River Lake	54.28	4.46	14.21	72.95
		North Fork of Pound River Lake	37.19	3.05	9.74	49.98
•		Paint Creek Lake	252.61	20.74	66.14	339.50
		Paintsville Lake	238.88	19.62	62.54	321.04
		Piedmont Lake	54.07	4.44	14.16	72.66
		Pleasant Hill Lake	225.45	18.51	59.03	302.99
		R D Bailey Lake	181.90	14.94	47.62	244.46
		Racine Locks and Dam <ohio r=""></ohio>	41.86	3.44	10.96	56.25
		Robert C. Byrd Locks and Dam <ohio r=""></ohio>	24.13	1.98	6.32	32.43
		# Senecaville Lake	356.44	29.27	93.32	479.02
			289.88	23.80	75.90	389.58
			162.87	13.37	42.64	218.88
		Tappan Lake	236.77	19.44	61.99	318.21
		Tom Jenkins Dam and Burr Oak Lake	138.75	11.39	36.33	186.47
		Willow Island Locks and Dam <ohio r=""></ohio>	87.76	7.21	22.98	117.95
		Wills Creek Lake	8.81	0.72	2.31	11.84
		Winfield Lock and Dam <kanawha river=""></kanawha>	122.27	10.04	32.01	164.32
		Yatesville Lake	114.74	5.88	33.01	153.64
	Louisville	i# Barren River Lake	470.35	38.62	123.15	632.12
			326.10	19.34	80.10	425.54
		Buckhorn Lake	87.00	7.14	22.78	116.92
		Caesar Creek Lake	407.47	33.46	106.68	547.61
	•	Cadles Mill Lake	84.26	6.92	22.06	113.24
		Cannelton Lock and Dam + Ohio River	13.71	1.29	3.65	18.65
		Carr Creek Lake	193.23	15.87	50.59	259.69
		Cave Run Lake	141.91	11.65	37.15	190.72
		# Cecil M. Harden Lake	447.33	36.73	117.12	601.18
		Clarence J Brown Dam and Reservoir	289.73	23.79	75.86	389.38
		Green River Lake	314.91	25.86	82.45	423.21
		Greenriver + 2 Locks	79.7	0.63	2.01	10.30
		J. Edward Roush Lake	132.14	10.85	34.60	177.58
		John T. Myers Lock and Dam	51.96	4.27	13.60	69.84
						0,00

			Job Effects	Job Effects (Number of Jobs)	
DIVISION DISTRICT	Project	Direct	Indirect	Induced	Total
LRD (cont) Louisville (cont)	it) Kentucky River + 4 Locks	37.47	3.08	9.81	50.36
	Lock & Dam 52 + Ohio River	10.01	0.82	2.62	13.45
	Lock & Dam 53 + Ohio River	2.24	0.18	0.59	3.01
	Markland Lock and Dam + Ohio River	85.01	9:90	25.43	120.33
	Mcalpine Lock and Dam + Ohio River	70.83	5.82	18.54	95.19
	Mississinewa Lake	289.40	23.76	75.77	388.94
	# Monroe Lake	398.53	32.73	104.34	535.60
	Newburgh Lock and Dam + Ohio River	153.88	10.07	35.78	199.73
•	i# Nolin River Lake	659.06	54.12	172.55	885.73
	Patoka Lake	364.13	29.90	95.33	489.36
	# Rough River Lake	618.83	50.81	162.02	831.66
	Salamonie Lake	2510.13	183.29	554.33	3247.76
	Smithland Lock and Dam + Ohio River	5.93	0.49	1.55	7.97
	Taylorsville Lake	368.75	32.39	81.33	482.47
	West Fork Of Mill Creek Lake	274.40	18.56	54.39	347.34
		341.30	28.03	89.36	458.68
Nashville		1262.22	103.65	330.47	1696.34
	i# Center Hill Lake	1246.54	102.36	326.36	1675.26
	# Cheatham Lock and Dam	741.67	96.09	194.18	996.75
	# Cordell Hull Dam and Reservoir	1018.23	83.61	266.59	1368.43
		1201.81	98.69	314.65	1615.15
	# J. Percy Priest Dam and Reservoir	2093.42	180.21	673.41	2947.04
-	# Laurel River Lake	70.56	5.40	17.91	93.88
	Martins Fork Lake	41.56	5.49	13.89	60.93
	Old Hickory Lock and Dam	3407.12	269.63	858.69	4535.44
	# Wolf Creek Dam Lake Cumberland	1827.61	129.62	395.06	2352.29
Pittsburgh	Berlin Lake	148.06	19.43	54.44	221.92
	Conemaugh River Lake	32.85	2.54	9.42	44.81
	Crooked Creek Lake	103.06	8.46	26.98	138.50
	Dashields Locks and Dam <ohio river=""></ohio>	8.24	0.68	2.16	11.07
	East Branch Clarion River Lake	75.37	6.19	19.73	101.29
	Emsworth Locks and Dams <ohio river=""></ohio>	28.41	2.33	7.44	38.18
	Gray's Landing Locks and Dam	1.67	0.14	0.44	2.25

LRD (cont) Pittsburgh (cont) Hannibal Locks and Dam <ohio river=""> Hildebrand Lock and Dam <monongahel 3="" <allegheny="" allegheny="" and="" dam="" kinzua="" lock="" reservoir="" river=""> Lock and Dam 3 <allegheny river=""> Lock and Dam 5 <allegheny river=""> Lock and Dam 6 <allegheny river=""> Lock and Dam 7 <allegheny river=""> Locks and Dam 8 <allegheny river=""> Locks and Dam 9 <allegheny river=""> Locks and Dam 1 <allegheny river=""> Locks and Dam 2 <allegheny river=""> Locks and Dam 3 <allegheny river=""> Locks and Dam 3 <allegheny river=""> Locks and Dam 4 <allegheny river=""> Locks and Dam 3 <allegheny river=""> Locks and Dam 4 <allegheny river=""> Locks and Dam 4 <allegheny river=""> Locks and Dam 5 <allegheny river=""> Locks and Dam 6 <allegheny river=""> Locks and Dam 7 <allegheny river=""> Locks and Dam 8 <allegheny river=""> Locks and Dam 8 <allegheny river=""> Locks and Dam 9 <allegheny river=""> Locks and Dam 1 <allegheny river=""> Locks and Dam 2 <allegheny river=""> Locks and Dam 3 <allegheny river=""> Locks and Dam 4 <allegheny river=""> Locks and Dam 5 <allegheny river=""> Locks and Dam 5 <allegheny river=""> Locks and Dam 6 <allegheny river=""> Locks and Dam 7 <allegheny river=""> Locks and Dam 6 <allegheny river=""> Locks and Dam 7 <allegheny river=""> Locks and Dam 7 <allegheny river=""> Locks and Dam 7 <allegheny river=""> Locks and Dam 8 <allegheny river=""> Locks and Dam 8 <allegheny river=""> Locks and Dam 8 <allegheny river=""> Locks and Dam 8</allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></allegheny></monongahel></ohio>	ela River>	9.91 2.60 116.96 116.96 16.43 5.68 6.57 3.61 2.39 3.30 2.96 4.30 1.59	0.27 0.27 0.24 0.20 0.23 0.23 0.24 0.35 0.24 0.23	ect Induced 0.76 2.67 0.21 0.68 9.60 30.62 1.35 4.30 0.47 1.49 0.54 1.72 0.30 0.95 0.20 0.63 0.27 0.63 0.27 0.63 0.27 0.73 0.24 0.78 0.35 1.12 0.13 0.42 0.13 0.42 0.13 0.42	13.34 3.50 3.50 22.08 7.63 8.83 4.86 3.21 4.43 3.21 4.43 3.21 2.14 2.14 5.77 5.77 5.77
Hannibal Locks of Hildebrand Lock Kinzua Dam and Lock and Dam 2 Lock and Dam 4 Lock and Dam 5 Lock and Dam 6 Lock and Dam 6 Lock and Dam 6 Lock and Dam 9 Lock and Dam 9 Locks and Dam Mahoning Creek Mahoning Creek Mathoning Creek Mathoning Creek Mathoning Creek	Dam <ohio river=""> Dam <monongahela river=""> egheny Reservoir legheny River> legheny River> legheny River> llegheny River> llegheny River> llegheny River> llegheny River> Monongahela River></monongahela></ohio>	9.91 2.60 116.96 16.43 5.68 6.57 3.61 2.39 3.30 2.96 4.30 1.59	0.76 0.21 9.60 1.35 0.47 0.30 0.20 0.20 0.23 0.23 0.24 0.23	2.67 0.68 30.62 4.30 1.49 1.72 0.95 0.63 0.63 0.73 0.78 0.78	13.34 3.50 157.18 22.08 7.63 8.83 4.86 3.21 3.21 3.26 3.26 3.27 5.77 5.77 5.77
Hildebrand Lock Kinzua Dam and Lock and Dam 3 Lock and Dam 4 Lock and Dam 5 Lock and Dam 6 Lock and Dam 7 Lock and Dam 9 Locks and Dam Mahoning Creek Mahoning Creek Mahoning Creek Mahoning Creek Mahoning Creek	I Dam <monongahela river=""> agheny Reservoir legheny River> legheny River> legheny River> legheny River> llegheny River> llegheny River> llegheny River> llegheny River> Monongahela River> Monongahela River> Monongahela River></monongahela>	2.60 116.96 16.43 5.68 6.57 3.61 2.39 3.30 2.96 4.30 1.59	0.21 9.60 1.35 0.47 0.54 0.30 0.20 0.20 0.23 0.24 0.24	0.68 30.62 4.30 1.49 1.72 0.95 0.63 0.63 0.86 0.73 0.73 0.78	3.50 157.18 22.08 7.63 8.83 4.86 3.21 4.43 3.76 3.98 5.77 5.77 5.77
	legheny Reservoir legheny River> legheny River> legheny River> legheny River> legheny River> llegheny River> llegheny River> llegheny River> llegheny River> llegheny River> llegheny River>	116.96 16.43 5.68 6.57 3.61 2.39 3.30 2.80 2.96 4.30 1.59	9.60 1.35 0.47 0.54 0.30 0.20 0.27 0.27 0.24 0.35	30.62 4.30 1.49 1.72 0.95 0.63 0.63 0.73 0.73 1.12	22.08 7.63 8.83 8.83 4.86 3.21 4.43 3.76 3.98 5.77 5.77 5.74 2.14
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Lock and Dam 3 <all 1="" 2="" 4="" 5="" 6="" 7="" 8="" 9="" <all="" and="" creek="" dam="" lak="" lak<="" lock="" locks="" mahoning="" td=""><td>legheny River> legheny River> legheny River> llegheny River> llegheny River> llegheny River> llegheny River> llegheny River> llegheny River> Monongahela River> Monongahela River></td><td>5.68 6.57 3.61 2.39 3.30 2.80 2.96 4.30 1.59</td><td>0.47 0.54 0.30 0.20 0.27 0.23 0.24 0.35</td><td>1.49 1.72 0.95 0.63 0.73 0.78 0.78 0.78</td><td>7.63 8.83 4.86 3.21 4.43 3.76 3.98 5.77 5.77 5.77 5.74</td></all>	legheny River> legheny River> legheny River> llegheny River> llegheny River> llegheny River> llegheny River> llegheny River> llegheny River> Monongahela River> Monongahela River>	5.68 6.57 3.61 2.39 3.30 2.80 2.96 4.30 1.59	0.47 0.54 0.30 0.20 0.27 0.23 0.24 0.35	1.49 1.72 0.95 0.63 0.73 0.78 0.78 0.78	7.63 8.83 4.86 3.21 4.43 3.76 3.98 5.77 5.77 5.77 5.74
Lock and Dam 4 <all 1="" 2="" 5="" 7="" 8="" 9="" <all="" <i="" and="" creek="" da<="" dam="" e="" j="" kirwan="" lak="" lock="" locks="" mahoning="" maxwell="" michael="" td=""><td>legheny River> llegheny River> llegheny River> llegheny River> llegheny River> llegheny River> Monongahela River> Monongahela River></td><td>6.57 3.61 2.39 2.80 2.96 4.30 1.59</td><td>0.54 0.30 0.20 0.27 0.23 0.24 0.35</td><td>0.95 0.95 0.63 0.86 0.73 0.78 1.12 0.42</td><td>8.83 4.86 4.86 3.21 3.76 3.98 5.77 5.77 5.77 5.74 95.44</td></all>	legheny River> llegheny River> llegheny River> llegheny River> llegheny River> llegheny River> Monongahela River> Monongahela River>	6.57 3.61 2.39 2.80 2.96 4.30 1.59	0.54 0.30 0.20 0.27 0.23 0.24 0.35	0.95 0.95 0.63 0.86 0.73 0.78 1.12 0.42	8.83 4.86 4.86 3.21 3.76 3.98 5.77 5.77 5.77 5.74 95.44
Lock and Dam 5 <all 1="" 2="" 6="" 8="" 9="" <all="" <iv="" and="" creek="" dam="" lak="" lak<="" lock="" locks="" mahoning="" td=""><td>legheny River> Ilegheny River> Ilegheny River> Ilegheny River> Ilegheny River> Ilegheny River> Wonongahela River> Monongahela River></td><td>3.61 2.39 2.80 2.96 4.30 1.59</td><td>0.30 0.20 0.27 0.23 0.24 0.35</td><td>0.95 0.63 0.86 0.73 0.78 1.12 0.42</td><td>3.21 3.21 4.43 3.76 3.98 5.77 5.77 2.14 95.44</td></all>	legheny River> Ilegheny River> Ilegheny River> Ilegheny River> Ilegheny River> Ilegheny River> Wonongahela River> Monongahela River>	3.61 2.39 2.80 2.96 4.30 1.59	0.30 0.20 0.27 0.23 0.24 0.35	0.95 0.63 0.86 0.73 0.78 1.12 0.42	3.21 3.21 4.43 3.76 3.98 5.77 5.77 2.14 95.44
Lock and Dam 6 <all 1="" 2="" 8="" 9="" <all="" <iv="" and="" creek="" da<="" dam="" e="" j="" kirwan="" lak="" lock="" locks="" mahoning="" maxwell="" michael="" td=""><td>llegheny River> llegheny River> llegheny River> llegheny River> llegheny River> Monongahela River> Monongahela River></td><td>2.39 3.30 2.80 2.96 4.30 1.59</td><td>0.20 0.27 0.23 0.24 0.35</td><td>0.63 0.86 0.73 0.78 1.12 0.42</td><td>3.21 4.43 3.76 3.98 5.77 5.74 2.14 95.44</td></all>	llegheny River> llegheny River> llegheny River> llegheny River> llegheny River> Monongahela River> Monongahela River>	2.39 3.30 2.80 2.96 4.30 1.59	0.20 0.27 0.23 0.24 0.35	0.63 0.86 0.73 0.78 1.12 0.42	3.21 4.43 3.76 3.98 5.77 5.74 2.14 95.44
Lock and Dam 7 <all 2="" 3="" 4="" 8="" 9="" <\wining="" <all="" and="" call="" creek="" da<="" dam="" j="" kirwan="" lak="" lock="" locks="" mahoning="" maxwell="" michael="" td=""><td>llegheny River> Ilegheny River> Ilegheny River> Monongahela River> Monongahela River> Monongahela River></td><td>3.30 2.80 2.96 4.30 1.59</td><td>0.27 0.23 0.24 0.35 0.13</td><td>0.86 0.73 0.78 1.12 0.42</td><td>3.76 3.98 3.98 5.77 2.14 95.44</td></all>	llegheny River> Ilegheny River> Ilegheny River> Monongahela River> Monongahela River> Monongahela River>	3.30 2.80 2.96 4.30 1.59	0.27 0.23 0.24 0.35 0.13	0.86 0.73 0.78 1.12 0.42	3.76 3.98 3.98 5.77 2.14 95.44
Lock and Dam 8 <all 2="" 9="" <\ri="" <all="" and="" dam="" lock="" locks="">Locks and Dam 3 <\ri>Locks and Dam 4 <\ri>Locks and Dam 4 <\ri>Mahoning Creek Lak Maxwell Locks and Da Michael J Kirwan Da Montgomery Locks</all>	llegheny River> llegheny River> Monongahela River> Monongahela River>	2.80 2.96 4.30 1.59 7.104	0.23 0.24 0.35 0.13	0.73	3.76 3.98 5.77 2.14 95.44
Lock and Dam 9 < All Locks and Dam 2 < \nabla Locks and Dam 3 < \nabla Locks and Dam 4 < \nabla Mahoning Creek Lak Mahoning Creek Lak Michael J Kirwan Da Montgomery Locks and I	llegheny River> Monongahela River> Monongahela River> Monongahela River>	2.96 4.30 1.59 7.104	0.35	0.78 1.12 0.42 0.42	3.98 5.77 2.14 2.14 95.44
Locks and Dam 2 <\ri>Locks and Dam 3 <\ri>Locks and Dam 4 <\ri>Locks and Dam 4 <\ri>Loyalhanna Lake Mahoning Creek Lak Maxwell Locks and I Michael J Kirwan Da	Monongahela River> Monongahela River> Monongahela River>	1.59	0.35	0.42	2.14 2.14 2.14 95.44
Locks and Dam 3 <n 4="" <n="" and="" creek="" da="" dam="" e="" j="" kirwan="" lak="" lake="" locks="" locks<="" loyalhanna="" mahoning="" maxwell="" michael="" montgomery="" td=""><td>Monongahela River> Monongahela River></td><td>1.59</td><td>0.13</td><td>0.42</td><td>2.14 2.14 95.44</td></n>	Monongahela River> Monongahela River>	1.59	0.13	0.42	2.14 2.14 95.44
Locks and Dam 4 <\note	Monongahela River>	1.59	0,40	0.42	2.14
Mahoning Creek Lak Maxwell Locks and I Michael J Kirwan Da		74.04	2 .5		95.44
Mahoning Creek Lak Maxwell Locks and I Michael J Kirwan Da Montgomery Locks		10:1	5.83	18.59	
Maxwell Locks and Da Michael J Kirwan Da Montgomery Locks	Ke	18.59	1.53	4.87	24.98
Michael J Kirwan Da	Maxwell Locks and Dam <monongahela river=""></monongahela>	3.83	0.31	1.00	5,15
Montgomery Locks	am and Reservoir	93.14	7.20	30.15	130.48
	Montgomery Locks and Dam <ohio river=""></ohio>	8.16	29.0	2.14	10.97
Morgantown Lock ar	Morgantown Lock and Dam < Monongahela River>	0.76	90.0	0.20	1.02
Mosquito Creek Lake	9)	383.79	31.51	100.48	515.78
New Cumberland Lo	New Cumberland Locks and Dam <ohio river=""></ohio>	13.60	1.12	3.56	18.27
Opekiska Lock and I	Opekiska Lock and Dam <monongahela river=""></monongahela>	0.58	0.05	0.15	0.78
Pike Island Locks ar	Pike Island Locks and Dam <ohio river=""></ohio>	9.79	0.80	2.56	13.16
Point Marion Lock a	Point Marion Lock and Dam < Monongahela River>	0.61	0.05	0.16	0.82
# Shenango River Lake	ke	229.14	18.82	59.99	307.95
Stonewall Jackson Lake	Lake	132.30	10.86	34.64	177.80
Tionesta Lake		132.75	10.90	34.76	178.41
Tygart Lake		161.58	13.27	42.30	217.15
Union City Dam		10.96	06.0	2.87	14.73
Woodcock Creek Lake	ake	124.91	10.26	32.70	167.88
Youghiogheny River Lake	er Lake	213.21	17.51	55.82	286.53

Division	40134	300,000		Job Effects	Job Effects (Number of Jobs)	
5	District	Project	Direct	Indirect	Induced	Total
MVD	Rock Island	Coralville Lake	447.24	36.73	117.10	601.06
		Farmdale Dam	11.20	0.92	2.93	15.06
		Illinois Waterway	34.72	2.85	60.6	46.66
		Lake Red Rock	433.11	35.56	113.40	582.07
			4552.06	373.79	1191.80	6117.65
		i# Saylorville Lake	471.27	38.10	122.73	632.11
	St. Louis	# Carlyle Lake	974.04	49.10	202.47	1225.61
		# Clarence Cannon Dam and Mark Twain Lake	703.53	55.80	194.64	953.97
		# Lake Shelbyville	795.52	49.97	158.48	1003.97
		# Rend Lake	847.52	52.57	180.15	1080.24
		Rivers Project - Illinois River	196.82	16.16	51.53	264.52
		Rivers Project - Lower River	150.96	12.40	39.52	202.89
			1113.45	91.43	291.52	1496.40
•		# Wappapello Lake	764.85	54.19	206.89	1025.92
	St. Paul	Baldhill Dam Lake Ashtabula	77.13	4.55	20.32	101.99
•		Eau Galle Flood Control Project	40.45	3.32	10.59	54.36
		Homme Lake	29.89	2.81	6.97	39.67
		Lac Qui Parle Lake	13.39	1.10	3.51	18.00
		Lake Traverse	45.17	3.71	11.83	60.71
		Mississippi River Headwaters Lakes Project	770.50	62.75	229.91	1063.16
		Mississippi River Pool U+L St Anthony Falls	23.87	1.96	6.25	32.08
		Mississippi River Pool No 1	30.77	2.53	8.06	41.35
		Mississippi River Pool No 2	144.87	18.22	46.87	209.95
		Mississippi River Pool No 3	335.91	25.82	96.15	457.88
		Mississippi River Pool No 4	557.35	57.97	211.04	826.35
		Mississippi River Pool No 5	170.46	19.75	59.53	249.74
		Mississippi River Pool No 5a	164.17	13.48	42.98	220.63
		Mississippi River Pool No 6	210.17	17.26	55.03	282.45
		Mississippi River Pool No 7	142.67	17.94	46.16	206.77
		Mississippi River Pool No 8	436.46	35.84	114.27	586.57
		Mississippi River Pool No 9	286.42	23.52	74.99	384.93
		Mississippi River Pool No 10	349.95	28.74	91.62	470.30
		Orwell Lake	7.61	0.62	1.99	10.23

MVD (cont.) Vicksburg	Table E4	Table E4 (Continued)					
Marchelle Project Indirect					Job Effects (Number of Jobs)	
Wicksburg # Arkabulab Lake 288.40 11.92 77 Baryou Lake 8.22 0.67 1.25 Caddot Lake 8.22 0.67 2.22 # Degray Lake 8.22 0.67 2.2 # Cleraded Lake 8.26.31 2.187 6 # Clerade Classon 15.187 1.2 1.2 # Lake Obachita 488.39 36.79 1.5 Ouachita-Black Rivers (4 L&D. Callon Pool) 37.59 3.09 2.5 Ouachita-Black Rivers (4 L&D. Callon Pool) 78.59 3.09 3.09 Ouachita-Black Rivers (4 L&D. Callon Pool) 78.59 3.64 2.2 Ouachita-Black Rivers (4 L&D. Callon Pool) 78.59 3.64 2.2 Ouachita-Black Rivers (4 L&D. Callon Pool) 78.59 8.44 2.2 Ouachita-Black Rivers (4 L&D. Callon Pool) 78.59 8.44 2.2 Red River Waterway (5 Locks & Dams) 78.59 8.44 2.2 Red River Waterway (5 Locks & Dams) 63.46 5.55 1.15 Alvin R Bush - Keitle Cree		District	Project	Direct	Indirect	Induced	Total
Bayou Bodcau Reservoir		Vicksburg		288.40	11.92	74.12	374.44
# Degrey Lake 88.294 6.087 22 # Degrey Lake 88.294 6.087 22 Emit Lake Greeson 151.89 12.47 131 Lake Greeson 151.89 12.47 131 Lake Greeson 151.89 12.47 131 Lake Outschilate-Black Rivers (4 L&D, Calien Pool) 37.69 3.09 10.04chilate-Black Rivers (4 L&D, Falsenthal Pool) 178.59 8.45 22 Outschilate-Black Rivers (4 L&D, Losewille Pool) 178.59 8.45 22 Outschilate-Black Rivers (4 L&D, Falsenthal Pool) 163.94 5.25 11 Red River Waterway (5 Locks & Dams) 6.3,34 6.45 23.51 11 Availace Lake Advise R Bush Kettle Creek 46.6 0.37 11.31 31 Availace Lake Advise R Bush Kettle Creek 6.037 17.38 1.066 1.06			Bayou Bodcau Reservoir	56.60	4.65	14.82	76.06
# Degray Lake			Caddo Lake	8.22	0.67	2.15	11.05
# Grendale Lake Firid Lake Grendale Lake Grendale Lake Garrier Greeson 15187 2187 11 Lake Greeson 15189 1547 1518 Lake Greeson 15189 1547 1518 Ouachite-Black Rivers (4 L&D, Columbia Pool) 37 69 3.09 150				882.94	60.82	222.72	1166.48
# Girenada Lake Grenada Lake Grenada Lake Lake Grenada Lake Couachitia Black Rivers (4 L&D, Calion Pool) 37.69 12.47 36.79 15.89			Enid Lake	266.31	21.87	69.72	357.90
Eake Greeson				637.67	28.22	116.24	782.13
# Lake Ouachitae Ouachitae-Black Rivers (4 L&D, Calion Pool) Ouachitae-Black Rivers (4 L&D, Calion Pool) Ouachitae-Black Rivers (4 L&D, Calion Pool) Ouachitae-Black Rivers (4 L&D, Desewille Pool) Ouachitae-Black Rivers (4 L&D, Desewille Pool) Ouachitae-Black Rivers (4 L&D, Joneswille Pool) Pearl River (3 Locks and Dams) Red River (3 Locks and Dams) ## Sarris Lake Almond Lake Almond Lake Covanesque Lake			Lake Greeson	151.89	12.47	39.77	204.12
Ouachite-Black Rivers (4 L&D, Calion Pool) 37.69 3.09 Ouachite-Black Rivers (4 L&D, Calion Pool) 102.75 8.44 2. Ouachite-Black Rivers (4 L&D, Felsenthal Pool) 78.59 6.45 2. Ouachite-Black Rivers (4 L&D, Felsenthal Pool) 78.59 6.45 2. Ouachite-Black Rivers (4 L&D, Pelsenthal Pool) 78.59 6.45 2. Ouachite-Black Rivers (4 L&D, Pelsenthal Pool) 78.59 6.55 71 Red River Waterway (5 Locks & Dams) 63.94 5.25 71 Red River Waterway (5 Locks & Dams) 63.94 5.25 71 Red River Waterway (5 Locks & Dams) 63.94 6.52 71 Waltimore Almond Lake 46.72 3.84 71 Alvin R Bush - Kettle Creek 46.72 3.84 71 Alvin R Bush - Kettle Creek 46.72 3.84 71 Alvin R Bush - Kettle Creek 7.85 7.65 7.65 Curvansville Lake 7.85 7.65 7.65 Curvansville Lake 7.85 7.65 7.65 Foster Joseph Sayers Dam 7.86 7.65 7.65 Foster Joseph Sayers Dam 7.84 7.83 7.64 7.81 Raystown Lake 8.60 7.60 7.80 7.60 7.81 Black Rock Lake 8.60 7.60 7.80 7.60 7.81 Black Rock Lake 8.60 7.60 7.80 7.60 7.81 Black Rock Lake 8.60 7.60 7.80 7.60 7.80 Blackwater Dam 8.02 0.66 7.60 7.80 Blackwater Dam 8.20 0.66 7.60 7.80 7.60 7.80 Blackwater Dam 8.20 0.66 7.60 7.80 7.60 7.80 7.60 7.80 7.60 7.80 7.80 7.60 7.80 7.60 7.80 7.80 7.60 7.8				458.39	36.79	159.96	655.14
Duachita-Black Rivers (4 L&D, Columbia Pool) 102.75 8.44 2 Ouachita-Black Rivers (4 L&D, Jonesville Pool) 78.59 6.45 2 Ouachita-Black Rivers (4 L&D, Jonesville Pool) 78.59 6.45 2 Pearl River (3 Locks and Dams) 63.94 5.25 1 Red River Waterway (5 Locks & Dams) 55.10 4.52 1 Red River Waterway (5 Locks & Dams) 55.10 4.52 1 Wallace Lake 4.56 0.37 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Alvin Re Bush - Kettle Creek 46.72 3.84 1 Birch Hill Dam 48.83 1.64 1 Birch Hill Dam 8.02 0.66 1 Birch Hill Dam 8.02 0.66 1 Birch Mullin Lake 6.75 1 Birch Cod Canal 1074.59 88.24 2 Cape Cod Canal 1074.59 88.24 2				37.69	3.09	9.87	50.65
Duachtia-Black Rivers (4 L&D, Felsenthal Pool) 78.59 6.45 2 Ouachtia-Black Rivers (4 L&D, Jonesville Pool) 116.18 9.54 3.54 3.55 1 Pearl River (3 Locks and Dams) 63.94 5.25 1 Red River Waterway (5 Locks & Dams) 55.10 4.52 1 Wallace Lake			Ouachita-Black Rivers (4 L&D, Columbia Pool)	102.75	8.44	26.90	138.09
Pearl River (3 Locks and Dams) 63.94 5.25 1 Red River Waterway (5 Locks & Dams) 65.10 4.52 1 # Sardis Lake 555.380 2.3.51 11 Wallace Lake 4.56 0.37 11 Wallace Lake 4.56 0.37 12 Alvin R Bush - Kettle Creek 46.72 3.84 1 Alvin R Bush - Kettle Creek 46.72 3.84 1 Alvin R Bush - Kettle Creek 46.72 3.84 1 Cunwansville Lake 0.73 0.06 0.06 Cunwansville Lake 17.85 1.65 1.05 Foster Joseph Sayers Dam 149.87 12.31 3 Foster Joseph Sayers Dam 149.87 12.31 3 Winting Point 26.42 2.17 3 # Raystown Lake 26.42 3.0.06 9 Winting Point 39.52 3.25 1 Barch Hill Dam Balt Mountain Lake 19.63 1.64 Black Rock Lake 19.83 1.64 19.33 1.64 Black Rock Lake 20.06 89.24 2.63 Buffurnville Lake 20.06 89.24 2.63 Buffurnville Lake 20.06 89.24 2.63 Buffurnville Lake 20.06 89.24 2.63 Cape Cod Canal 1074.59 88.24 2.65 2.65 Cape Cod Canal 1074.59 88.24 2.65 Cape Cod Canal 10.74.59 10.74.59 2.65 Cape Cod Canal 10.74.59 10.74.59 2.65 Cape Cod Canal 10.74.59 10.75 Cape Cod Canal 10.75 10.75 Ca			Ouachita-Black Rivers (4 L&D, Felsenthal Pool)	78.59	6.45	20.58	105.63
Pearl River (3 Locks and Dams) 63.94 5.25 1 Red River Waterway (5 Locks & Dams) 55.10 4.52 1 Wallace Lake			Ouachita-Black Rivers (4 L&D, Jonesville Pool)	116.18	9.54	30.42	156.14
Red River Waterway (5 Locks & Dams)				63.94	5.25	16.74	85.93
# Sardis Lake Wallace Lake Wallace Lake Wallace Lake Almond Lake Alvin R Bush - Kettle Creak Aylesworth Creek Lake Cowanesque Lake East Sidney Lake Cowanesque Lake East Sidney Lake Cowanesque Lake East Sidney Lake Foster Joseph Sayers Dam Jennings Randolph Lake # Raystown Lake Tioga-Hammond Lakes Whitney Point Barre Falls Dam Black Rock Lake			Red River Waterway (5 Locks & Dams)	55.10	4.52	14.43	74.05
Baltimore Wallace Lake 4.56 0.37 2 Alvin R Bush - Kettle Creek 96.14, 7.81 2 Aylesworth Creek Lake 0.73 0.06 1 Cowanesque Lake 0.73 0.06 1 Cowanesque Lake 10.63 3.24 1 Cowanesque Lake 10.65 1.65 1 East Sidhey Lake 10.58 1.05 1 Foster Joseph Sayers Dam 149.87 12.31 3 Jennings Randolph Lake 26.42 2.17 2 # Raystown Lake 366.03 30.06 9 Whitney Point 39.52 3.25 1 Whitney Point Barre Falls Dam 39.52 1.61 Black Hill Dam 136.23 1.61 3 Black Hill Dam 80.50 2.81 3 Blackwater Dam 80.2 0.66 6 Buffurmille Lake 32.09 2.63 2 Buffurmille Lake 32.09 2.63 2				553.80	23.51	110.27	687.58
Baltimore Almond Lake 95.14, 7.81 2 Alvin R Bush - Kettle Creek 46.72 3.84 1 Aylesworth Creek Lake 0.73 0.06 1 Cowanesque Lake 39.40 3.24 1 Curvensville Lake 17.85 1.65 1 East Sidney Lake 10.58 1.05 1 Foster Joseph Sayers Dam 149.87 1.05 1 Foster Joseph Sayers Dam 26.42 2.17 3 # Raystown Lake 366.03 30.06 9 Tioga-Hammond Lakes 67.50 5.54 1 Whitney Point 19.63 1.61 1 Bairch Hill Dam Bairch Mundain Lake 19.63 1.61 3 Biack Rock Lake 19.93 1.64 3			Wallace Lake	4.56	0.37	1.19	6.12
Alvin R Bush - Kettle Creek 46.72 3.84 1 Aylesworth Creek Lake 0.73 0.06 0.06 Cowanesque Lake 39.40 3.24 1 Curwensville Lake 17.85 1.65 1.65 East Sidney Lake 10.58 1.05 1.05 Foster Joseph Sayers Dam 149.87 12.31 3 Jennings Randolph Lake 26.42 2.17 3 # Raystown Lake 366.03 30.06 9 Whitney Point 67.50 5.54 1 Ball Mountain Lake 19.63 1.61 9 Ball Mountain Lake 33.25 1 1 Ball Mountain Lake 19.63 1.61 1 Ballich Hill Dam 136.23 11.19 3 Black Rock Lake 19.93 1.64 3 Buffunwille Lake 32.09 2.63 2 Cape Cod Canal 1074.59 88.24 28		Baltimore	Almond Lake	95.14.	7.81	24.91	127.86
Aylesworth Creek Lake 0.73 0.06 Cowanesque Lake 39.40 3.24 1 Curwensville Lake 17.85 1.65 1.65 East Sidney Lake 10.58 1.05 1.05 Foster Joseph Sayers Dam 149.87 12.31 3 Jennings Randolph Lake 26.42 2.17 8 # Raystown Lake 366.03 30.06 8 Tioga-Hammond Lakes 67.50 5.54 1 Whitney Point 39.52 32.6 1 Ball Mountain Lake 36.20 5.54 1 Ball Mountain Lake 33.25 1.61 3 Ball Mountain Lake 36.20 2.81 3 Ball Mountain Lake 19.63 1.61 3 Ball Mountain Lake 19.63 1.64 3 Black Rock Lake 19.93 1.64 3 Black Water Dam 8.02 0.66 6 Buffumville Lake 32.09 2.63 2 Cape Cod Canal			Alvin R Bush - Kettle Creek	46.72	3.84	12.23	62.78
Cowanesque Lake 39,40 3.24 1 Curwensville Lake 17.85 1.65 1.65 East Sidney Lake 10.58 1.05 1.05 Jennings Randolph Lake 26.42 2.17 3 # Raystown Lake 366.03 30.06 9 Tioga-Hammond Lakes 67.50 5.54 1 Whitney Point 39.52 3.25 1 Ball Mountain Lake 19.63 1.61 3 Barre Falls Dam 34.27 2.81 3 Black Rock Lake 19.93 1.64 3 Blackwater Dam 8.02 0.66 6 Buffurmville Lake 32.09 2.63 2 Cape Cod Canal 1074.59 88.24 28			Aylesworth Creek Lake	0.73	90.0	0.19	0.98
Curwensville Lake 17.85 1.65 East Sidney Lake 10.58 1.05 Foster Joseph Sayers Dam 149.87 1.05 Jennings Randolph Lake 26.42 2.17 # Raystown Lake 366.03 30.06 9 Tioga-Hammond Lakes 67.50 5.54 1 Whitney Point 39.52 3.25 1 Ball Mountain Lake 19.63 1.61 1 Barre Falls Dam 34.27 2.81 3 Black Rock Lake 19.63 1.64 3 Blackwater Dam 8.02 0.66 6 Buffurnville Lake 32.09 2.63 2 Cape Cod Canal 1074.59 88.24 28			Cowanesque Lake	39.40	3.24	10.32	52.95
East Sidney Lake 10.58 1.05 Foster Joseph Sayers Dam 149.87 12.31 3 Jennings Randolph Lake 26.42 2.17 3 # Raystown Lake 366.03 30.06 9 Tioga-Hammond Lakes 67.50 5.54 1 Whitney Point 39.52 3.25 1 Ball Mountain Lake 34.27 2.81 1 Barre Falls Dam 34.27 2.81 3 Birch Hill Dam 136.23 1.64 3 Black Rock Lake 8.02 0.66 6 Buffumville Lake 32.09 2.63 2 Cape Cod Canal 1074.59 88.24 2			Curwensville Lake	17.85	1.65	1.98	21.47
Foster Joseph Sayers Dam 149.87 12.31 3 Jennings Randolph Lake 26.42 2.17 9 # Raystown Lake 366.03 30.06 9 Tioga-Hammond Lakes 67.50 5.54 1 Whitney Point 39.52 3.25 1 Ball Mountain Lake 19.63 1.61 1 Barre Falls Dam 34.27 2.81 3 Birch Hill Dam 136.23 11.19 3 Black Rock Lake 19.93 1.64 3 Blackwater Dam 8.02 0.66 6 Buffurmville Lake 32.09 2.63 2 Cape Cod Canal 1074.59 88.24 26			East Sidney Lake	10.58	1.05	4.07	15.70
Jennings Randolph Lake 26.42 2.17 # Raystown Lake 366.03 30.06 9 Tioga-Hammond Lakes 67.50 5.54 1 Whitney Point 39.52 3.25 1 Ball Mountain Lake 19.63 1.61 281 Barre Falls Dam 34.27 2.81 3 Birch Hill Dam 136.23 11.19 3 Black Rock Lake 19.93 1.64 3 Blackwater Dam 8.02 0.66 263 Buffurmville Lake 32.09 2.63 263 Cape Cod Canal 1074.59 88.24 28			Foster Joseph Sayers Dam	149.87	12.31	39.24	201.42
# Raystown Lake 366.03 30.06 9 Tioga-Hammond Lakes 67.50 5.54 1 Whitney Point 39.52 3.25 1 Ball Mountain Lake 19.63 1.61 1 Barre Falls Dam 34.27 2.81 3.81 Birch Hill Dam 136.23 11.19 3 Black Rock Lake 19.93 1.64 3 Blackwater Dam 8.02 0.66 263 Buffurmville Lake 32.09 2.63 263 Cape Cod Canal 1074.59 88.24 28			Jennings Randolph Lake	26.42	2.17	6.92	35.50
Tioga-Hammond Lakes 67.50 5.54 1 Whitney Point 39.52 3.25 1 Ball Mountain Lake 19.63 1.61 1 Barre Falls Dam 34.27 2.81 1 Birch Hill Dam 136.23 11.19 3 Black Rock Lake 19.93 1.64 3 Blackwater Dam 8.02 0.66 6 Buffurmville Lake 32.09 2.63 2 Cape Cod Canal 1074.59 88.24 28				366.03	30.06	95.83	491.92
Whitney Point 39.52 3.25 1 Ball Mountain Lake 19.63 1.61 1.61 Barre Falls Dam 34.27 2.81 2.81 Birch Hill Dam 136.23 11.19 3 Black Rock Lake 19.93 1.64 3 Blackwater Dam 8.02 0.66 0.66 Buffurmville Lake 32.09 2.63 2 Cape Cod Canal 1074.59 88.24 28			Tioga-Hammond Lakes	67.50	5.54	17.67	90.72
Balf Mountain Lake 19.63 1.61 Barre Falls Dam 34.27 2.81 Birch Hill Dam 136.23 11.19 3 Black Rock Lake 19.93 1.64 3 Blackwater Dam 8.02 0.66 0.66 Buffurmville Lake 32.09 2.63 2 Cape Cod Canal 1074.59 88.24 26			Whitney Point	39.52	3.25	10.35	53.11
34.27 2.81 136.23 11.19 19.93 1.64 8.02 0.66 32.09 2.63 1074.59 88.24	ı <u></u>	New England	Ball Mountain Lake	19.63	1.61	5.14	26.38
136.23 11.19 3 19.93 1.64 8.02 0.66 32.09 2.63 1074.59 88.24			Barre Falls Dam	34.27	2.81	8.97	46.05
19.93 1.64 8.02 0.66 32.09 2.63 1074.59 88.24 22	·		Birch Hill Dam	136.23	11.19	35.67	183.09
8.02 0.66 32.09 2.63 1074.59 88.24 28			Black Rock Lake	19.93	1.64	5.22	26.79
32.09 2.63 1074.59 88.24 28			Blackwater Dam	8.02	99.0	2.10	10.78
1074.59 88.24			Buffurnville Lake	32.09	2.63	8.40	43.12
			Cape Cod Canal	1074.59	88.24	281.34	1444.18
							(Sheet 6 of 14)

NADE (corn) Lobert Indicated Project Direct Indicated Polect Total Indicat	idale Er (Sollullasa)						
District Project Induced Total New England (conf) Charles River Natural Valley Storage Project 34.93 3.20 10.19 New England (conf) Charles River Natural Valley Storage Project 38.43 3.20 10.19 Conent Brook Dame 7.22 0.59 1.89 1.89 Conent Brook Lake 16.08 1.32 4.21 Franklin Falls Dam 10.37 0.85 2.72 Hoop Brook Lake 2.76 0.23 0.72 Hoop Brook Lake 42.87 3.82 1.122 Krighthilo Dam 11.68 9.56 0.72 Hoop Brook Lake 11.68 9.56 0.72 Krighthilo Dam 1.14 3.52 1.122 Marsifeld Hollow Lake 10.19 0.34 2.67 North Harland Lake 10.19 0.34 2.89 North Springled Lake 24.29 1.99 6.35 Sury Mountain Lake 11.04 0.91 2.89 Townshend Lake 24.29 1.99					Job Effects	(Number of Jobs)	
New England (cont) Charles River Natural Valley Storage Project 14.97 12.3 3.92 Colestron River Lake 7.22 0.59 1.89 Contant Brook Lake 38.17 3.13 9.99 East Brimfield Lake 10.37 0.23 4.21 Franklin Falls Dam 10.37 0.23 0.72 Hordsov Lake 2.76 0.23 0.72 Hops Brook Lake 2.36 1.82 4.21 Hop Brook Lake 116.68 9.56 30.55 Hop Brook Lake 176.72 14.51 46.27 Knighthilon Everett Lake 116.68 9.56 30.55 Hop Brook Lake 176.72 14.51 46.27 North Springfield Lake 9.01 0.54 2.56 North Springfield Lake 9.01 0.54 2.89 North Springfield Lake 9.01 0.74 2.36 North Springfield Lake 10.19 0.54 2.89 Other Brook Lake 11.04 0.51 1.89 6.86		District	Project	Direct	Indirect	Induced	Total
Colebrook River Lake 38.93 3.20 10.19 Corant Brook Dam 7.22 0.59 1.89 East Brimfield Lake 16.08 1.32 4.21 Franklin Falls Dam 10.37 0.85 2.72 Hancock Brook Lake 23.36 1.92 6.17 Hodges Villege Dam 42.87 3.52 1.122 Hopkinton-Everett Lake 16.68 9.58 30.55 Hopkinton-Everett Lake 176.72 1.451 46.27 North Hartland Lake 176.72 1.451 46.27 North Wartland Lake 176.72 1.451 2.89 Surf Wountlain Lake 170.4 0.94 2.67 Union Village Dam 4.82 0.40 1.26 Union Village Dam	JAD (cont)	New England (cont)		14.97	1.23	3.92	20.12
Conant Brook Dam 7.22 0.59 1.89 Edward Macdowell Lake 38.17 3.13 9.99 Edward Macdowell Lake 16.08 1.32 4.21 Franklin Falls Dam 10.37 0.85 2.72 Hongok Willage Dam 2.76 0.23 0.72 Hop Brook Lake 2.76 0.23 0.72 Hop Brook Lake 116.68 9.58 30.56 Hop Brook Lake 176.72 1.45 2.08 Knightwille Dam 176.72 14.51 46.27 Hopkinton-Eventt Lake 176.72 14.51 46.27 Mansfold Hollow Lake 176.72 14.51 46.27 North Harland Lake 10.19 0.34 2.59 North Harland Lake 11.04 0.91 2.89 Townshord Lake 11.04 0.91 2.8			Colebrook River Lake	38.93	3.20	10.19	52.33
East Brinfield Lake 38.17 3.13 9.99 Franklin Falls Dam 16.08 1.32 4.21 Franklin Falls Dam 2.76 0.23 0.72 Honges Village Dam 2.76 0.23 0.72 Honges Village Dam 2.76 0.23 0.72 Hop Brook Lake 42.87 3.52 1.12 Hop kinton Everett Lake 7.96 0.65 2.08 Knightville Dam 1.76 0.65 2.08 Intitioville Lake 1.76 0.65 2.08 North Harland Lake 1.10 0.74 2.56 North Harland Lake 1.10,19 0.84 2.57 North Harland Lake 1.10,4 0.91 0.74 2.36 North Harland Lake 1.10,4 0.91 0.74 2.36 North Harland Lake 1.10,4 0.91 2.89 1.42 Otter Brook Lake 2.13 1.22 1.09 3.46 Survival Lake 2.10 0.74 2.89 1.29 <			Conant Brook Dam	7.22	0.59	1.89	9.70
Edward Macdowell Lake 16.08 1.32 4.21 Franklin Falls Dam 10.37 0.85 2.72 Hondes Look Lake 2.76 0.23 0.72 Hodges Village Dam 23.36 1.92 6.12 Hop Brook Lake 42.87 3.52 11.22 Hop Brook Lake 16.68 9.58 30.55 Knightwille Dam 7.36 0.65 2.08 Knightwille Dam 17.96 0.65 2.08 North Hartland Lake 10.19 0.84 2.67 North Hartland Lake 10.19 0.84 2.67 North Hartland Lake 10.19 0.84 2.67 North Hartland Lake 11.04 0.91 2.89 Surry Mountain Lake 11.03 0.91 2.89 Thomaston Dam 11.03 0.91 2.89 Thyly Lake 11.03 0.91 2.89 West Hill Dam 4.82 0.40 1.26 West Miles Dam 1.82 1.60 3.43				38.17	3.13	6.99	51.30
Hancock Brook Lake 10.37 0.85 2.72 Hancock Brook Lake 2.76 0.23 0.72 0.72 0.72 0.72 0.73 0.72 0.72 0.72 0.73 0.72 0.72 0.72 0.72 0.73 0.72 0.72 0.73 0.72 0.72 0.73 0.72 0.72 0.73 0.72 0.72 0.72 0.73 0.72 0.72 0.73 0.72 0.73 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75			Edward Macdowell Lake	16.08	1.32	4.21	21.61
Hancock Brook Lake 2.76 0.23 0.72 Hodges Village Dam 23.36 1.92 6.12 Hodges Village Dam 16.87 3.52 1.12 Hopkinton-Lake 16.68 9.58 30.55 Kriightwille Dam 7.96 0.65 2.08 Littleville Lake 13.49 1.11 3.53 North Harfland Lake 10.19 0.84 2.67 North Harfland Lake 9.01 0.74 2.36 North Farland Lake 11.04 0.91 2.89 Surry Mountain Lake 13.22 1.09 3.46 Surry Mountain Lake 11.04 0.91 2.89 Tully Lake 4.82 0.40 1.26 Union Village Dam 4.82 0.40 1.26 West Hill Dam 4.82 0.40 0.51			Franklin Falls Dam	10.37	0.85	2.72	13.94
Hodges Village Dam 23.36 1.92 6.12 Hop Brook Lake 42.87 3.52 1122 Hop kinder-everatt Lake 16.68 9.58 30.55 Knightwille Dam 7.36 0.65 2.08 Littleville Lake 176.72 14.51 46.27 North Hartland Lake 176.72 14.51 46.27 North Springfield Lake 10.19 0.84 2.67 North Indiand Lake 11.04 0.31 2.89 Otter Brook Lake 13.22 1.09 6.36 Sury Mourtain Lake 24.29 1.99 6.36 Sury Mourtain Lake 27.88 2.29 7.30 Townshend Lake 4.82 0.91 2.89 Union Village Dam 4.82 0.40 1.26 West Hill Dam 4.82 0.40 1.26 West Hill Dam 4.82 0.40 1.26 West Hill Dam 4.82 0.40 1.60 2.44 AlW Albemarle and Ches and Dismal Swamp Can lake 1.6			Hancock Brook Lake	2.76	0.23	0.72	3.71
Hop Brook Lake 42.87 3.52 11.22 Hopkinton-Everatt Lake 116.68 9.58 30.55 Knightville Dam 7.96 0.65 2.08 Littleville Lake 176.72 1.11 3.53 Mansfield Hollow Lake 176.72 14.51 46.27 North Hartland Lake 10.19 0.84 2.67 North Springfield Lake 9.01 0.74 2.36 North Springfield Lake 11.04 0.91 2.89 Thomaston Dam 27.88 2.29 7.30 Townshend Lake 4.82 0.40 1.26 Union Village Dam 4.82 0.40 1.26 West Hill Dam 4.82 0.40 1.26 West Hill Dam 1.60 5.11 4.01 AlW Albemarte and Ches and Dismal Swamp Can 1.60			Hodges Village Dam	23.36	1.92	6.12	31.40
Hopkinton-Everett Lake 116.68 9.56 30.56 Kriightvillie Dam 7.96 0.65 2.08 Littleville Lake 176.72 14.51 46.27 Mansfeld Hollow Lake 10.19 0.84 2.67 North Hartland Lake 9.01 0.74 2.89 North Forbiglield Lake 11.04 0.91 2.89 North Martland Lake 13.22 1.09 3.46 Otter Brook Lake 13.22 1.09 3.46 Surry Mountain Lake 24.29 1.99 6.36 Thomaston Dam 27.88 2.29 7.30 Tuliy Lake 4.82 0.40 1.26 Union Village Dam 6.89 0.57 1.80 West Hill Dam West Hill Dam 1.53 1.26 4.01 West Hill Dam West Hill Dam 1.53 2.59 8.25 West Hill Dam West Hill Dam 1.53 7.63 2.44 Beltzville Lake Alw Albermarle and Ches and Dismal Swamp Can al 13.50 2.			Hop Brook Lake	42.87	3.52	11.22	57.61
Knightwille Dam 7.96 0.65 2.08 Littleville Lake 13.49 1.11 3.53 Mansfield Hollow Lake 176.72 14.51 46.27 North Hardland Lake 10.19 0.84 2.67 North Springfield Lake 9.01 0.74 2.36 North Springfield Lake 11.04 0.91 2.89 Northfield Brook Lake 13.22 1.09 3.46 Sury Mountain Lake 24.29 1.99 6.36 Townshend Lake 11.03 0.91 2.89 Townshend Lake 4.82 0.40 1.26 Union Village Dam 6.89 0.57 1.80 West Hill Dam West Hill Dam 19.52 1.60 5.11 West Thompson Lake 15.31 1.26 4.01 AliV Albemante and Ches and Dismal Swamp Canal 93.0 0.76 2.44 Gathright Dam-Lake Moomaw 16.53 1.26 4.01 Beltzville Lake 177.38 14.57 46.44 Francis E W			Hopkinton-Everett Lake	116.68	9.58	30.55	156.81
Littleville Lake 13.49 1.11 3.53 Mansfield Hollow Lake 176,72 14,51 46.27 North Harland Lake 10.19 0.84 2.67 North Springfield Lake 9,01 0,74 2.36 Northfield Brook Lake 11.04 0,91 2.89 Northfield Brook Lake 13,22 1.09 3.46 Sury Mountain Lake 24,29 1.99 6.36 Thomaston Dam 27.88 2.29 7.30 Townshend Lake 4,82 0,40 1.26 Union Village Dam 6.89 0.57 1.80 West Hill Dam 19,52 1.60 5.11 West Hill Dam 18,52 1.60 5.11 West Hill Dam 18,52 1.60 5.11 West Hill Dam 18,52 1.60 5.11 West Hill Dam 1,53 1.26 4.01 Allow Albermarte and Ches and Dismal Swamp Canal 93.0 0.76 2.44 Beltzville Lake 177.38 1.25	-		Knightville Dam	7.96	0.65	2.08	10.69
Mansfield Hollow Lake 176,72 14,51 46,27 North Hartland Lake 10,19 0.84 2.67 North Springfield Lake 9.01 0.74 2.36 North Springfield Lake 11.04 0.91 2.89 Northfield Brook Lake 13.22 1.09 3.46 Surry Mountain Lake 13.22 1.09 3.46 Townshend Lake 11.03 0.91 2.89 Tully Lake 11.03 0.91 2.89 Union Village Dam 6.89 0.57 1.26 West Hill Dam 195.52 0.40 1.26 West Hill Dam 195.52 1.60 5.11 West Hill Dam 195.52 0.70 2.44 AlW Albermate and Ches and Dismal Swamp Canal 92.87 7.63 2.44 Beltzville Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 WWW Delaware R to Chesapeake Bay C + D Canal 17.51 1.44 4.58			Littleville Lake	13.49	1.11	3.53	18.13
North Hartland Lake 10.19 0.84 2.67 North Springfield Lake 9.01 0.74 2.36 North Springfield Lake 11.04 0.91 2.89 Otter Brook Lake 13.22 1.09 3.46 Surry Mountain Lake 24.29 1.99 6.36 Thomaston Dam 27.88 2.29 7.30 Townshend Lake 11.03 0.91 2.89 Tully Lake 4.82 0.40 1.26 Union Village Dam 6.89 0.57 1.80 West Hill Dam 6.89 0.57 1.80 West Hill Dam 15.51 1.50 5.11 West Hill Lake 15.31 1.26 4.01 AWA Albernarie and Ches and Dismat Swamp Canal 9.30 0.76 2.44 Beltzville Lake 177.38 14.57 46.44 # Blue Marsh Lake 177.38 4.12 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delaware R to Chesapeake Bay C + D Canal 17.51			Mansfield Hollow Lake	176.72	14.51	46.27	237.49
North Springfield Lake 9.01 0.74 2.36 Northfield Brook Lake 11.04 0.91 2.89 Otter Brook Lake 13.22 1.09 3.46 Surry Mountain Lake 24.29 1.99 6.36 Thomaston Dam 27.88 2.29 7.30 Townshend Lake 4.82 0.40 1.26 Union Village Dam 6.89 0.57 1.80 West Hill Dam 6.89 0.57 1.80 West Hill Dam 19.52 1.60 5.11 West Hill Dam 19.52 1.60 5.11 West Mest Hill Dam 19.52 1.60 5.11 West Mast Hill Dam 15.31 1.26 4.01 West Mast Hill Dam 15.31 1.26 4.01 West Mast Hill Dam 15.31 1.26 2.44 West Mast Mast Lake 177.38 17.51 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delawarre R to Chesapeake Bay C + D Canal 17.51			North Hartland Lake	10.19	0.84	2.67	13.69
Northfield Brook Lake 11.04 0.91 2.89 Otter Brook Lake 13.22 1.09 3.46 Surry Mountain Lake 24.29 1.99 6.36 Thomaston Dam 27.88 2.29 7.30 Townshend Lake 4.82 0.91 2.89 Tully Lake 4.82 0.40 1.26 Union Village Dam 6.89 0.57 1.80 West Hill Dam 19.52 1.60 5.11 West Hill Dam 19.52 1.60 5.11 West Hill Dam 9.30 0.57 1.80 West Hill Dam 19.52 1.60 5.11 West Hill Dam 4.01 1.50 2.59 8.25 West Hill Dam 4.01 1.26 2.44 1.53 4.01 AlW Albemarle and Ches and Dismal Swamp Canal 9.30 0.76 2.44 1.26 Beltzville Lake Francis E Walter Dam 102.44 8.41 26.82 1.45 # Blue Marsh Lake 177.38 6.70			North Springfield Lake	9.01	0.74	2.36	12.10
Otter Brook Lake 13.22 1.09 3.46 Surry Mountain Lake 24.29 1.99 6.36 Thomaston Dam 27.88 2.29 7.30 Townshend Lake 4.82 0.40 1.26 Union Village Dam 6.89 0.57 1.80 West Hill Dam 6.89 0.57 1.80 West Hill Dam 19.52 1.60 5.11 West Hill Dam 15.31 1.50 8.25 West Hill Dam 2.59 8.25 8.25 West Hill Dam 4.01 1.50 5.11 West Hill Dam 4.01 1.50 2.59 8.25 West Hill Dam 4.01 1.26 4.01 1.26 West Hill Dam 4.01 1.50 2.59 8.25 8.25 West Hill Dam AlW Albemarle and Ches and Dismal Swamp Canal 92.87 7.63 24.4 4.64 Beltzville Lake Francis E Walter Dam 102.44 8.41 2.6.82 4.6.44 Francis E Walter Dam </td <td></td> <td></td> <td>Northfield Brook Lake</td> <td>11.04</td> <td>0.91</td> <td>2.89</td> <td>14.84</td>			Northfield Brook Lake	11.04	0.91	2.89	14.84
Surry Mountain Lake 24.29 1.99 6.36 Thomaston Dam 27.88 2.29 7.30 Townshend Lake 11.03 0.91 2.89 Tully Lake 4.82 0.40 1.26 Union Village Dam 6.89 0.57 1.80 West Hill Dam 19.52 1.60 5.11 West Hill Dam 15.50 2.59 8.25 West Hill Dam 15.31 1.26 4.01 Awest Thompson Lake 15.31 1.26 4.01 AlW Albemarle and Ches and Dismal Swamp Canal 92.87 7.63 24.4 Gathright Dam-Lake Moomaw 930 0.76 2.44 Beltzville Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delaware R to Chesapeake Bay C + D Canal 17.51 1.44 4.58			Otter Brook Lake	13.22	1.09	3.46	17.76
Thomaston Dam 27.88 2.29 7.30 Townshend Lake 11.03 0.91 2.89 Tully Lake 4.82 0.40 1.26 Union Village Dam 6.89 0.57 1.80 West Hill Dam 19.52 1.60 5.11 West Hill Dam 31.50 2.59 8.25 West Ville Lake 4.01 4.01 AlW Albemarle and Ches and Dismal Swamp Canal 92.87 7.63 2.44 Gathright Dam-Lake Moomaw 9.30 0.76 2.44 Beltzville Lake 177.38 14.57 46.44 # Blue Marsh Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 WWW Delaware R to Chesapeake Bay C + D Canal 17.51 1.44 4.58			Surry Mountain Lake	24.29	1.99	6.36	32.64
Townshend Lake 11.03 0.91 2.89 Tully Lake 4.82 0.40 1.26 Union Village Dam 6.89 0.57 1.80 West Hill Dam 19.52 1.60 5.11 West Thompson Lake 31.50 2.59 8.25 Westville Lake 4.01 4.01 AlW Albemarle and Ches and Dismal Swamp Canal 92.87 7.63 24.4 Gathright Dam-Lake Moomaw 9.30 0.76 2.44 Beltzville Lake 136.54 11.21 35.75 # Blue Marsh Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWWV Delaware R to Chesapeake Bay C + D Canal 81.63 6.70 21.37 Prompton Lake 17.51 1.44 4.58			Thomaston Dam	27.88	2.29	7.30	37.47
Tully Lake 4.82 0.40 1.26 Union Village Dam 6.89 0.57 1.80 West Hill Dam 19.52 1.60 5.11 West Hill Dam 31.50 2.59 8.25 Westville Lake 1.53 1.26 4.01 AlW Albemarle and Ches and Dismal Swamp Canal 92.87 7.63 24.31 Gathright Dam-Lake Moomaw 9.30 0.76 2.44 Beltzville Lake 136.54 11.21 35.75 # Blue Marsh Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delaware R to Chesapeake Bay C + D Canal 81.63 6.70 21.37 Prompton Lake 17.51 1.44 4.58			Townshend Lake	11.03	0.91	2.89	14.83
Union Village Dam 6.89 0.57 1.80 West Hill Dam 19.52 1.60 5.11 West Thompson Lake 31.50 2.59 8.25 Westville Lake 15.31 1.26 4.01 AlW Albemarle and Ches and Dismal Swamp Canal 92.87 7.63 24.4 Gathright Dam-Lake Moomaw 9.30 0.76 2.44 Beltzville Lake 136.54 11.21 35.75 # Blue Marsh Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delaware R to Chesapeake Bay C + D Canal 81.63 6.70 21.37 Prompton Lake 17.51 1.44 4.58	_		Tully Lake	4.82	0.40	1.26	6.47
West Hill Dam 19.52 1.60 5.11 West Thompson Lake 31.50 2.59 8.25 Westville Lake 15.31 1.26 4.01 AlW Albemarle and Ches and Dismal Swamp Canal 92.87 7.63 24.31 Gathright Dam-Lake Moomaw 9.30 0.76 2.44 Beltzville Lake 136.54 11.21 35.75 # Blue Marsh Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delaware R to Chesapeake Bay C + D Canal 81.63 6.70 21.37 Prompton Lake 17.51 1.44 4.58			Union Village Dam	68.9	0.57	1.80	9.26
West Thompson Lake 31.50 2.59 8.25 Westville Lake 15.31 1.26 4.01 AIW Albernarle and Ches and Dismal Swamp Canal Gathright Dam-Lake Moomaw 9.30 0.76 2.44 Beltzville Lake 136.54 11.21 35.75 # Blue Marsh Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delaware R to Chesapeake Bay C + D Canal 81.63 6.70 21.37 Prompton Lake 17.51 1.44 4.58			West Hill Dam	19.52	1.60	5.11	26.23
Westville Lake 15.31 1.26 4.01 AIW Albemarle and Ches and Dismal Swamp Canal 92.87 7.63 24.4 Gathright Dam-Lake Moomaw 9.30 0.76 2.44 Beltzville Lake 136.54 11.21 35.75 # Blue Marsh Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delaware R to Chesapeake Bay C + D Canal 81.63 6.70 21.37 Prompton Lake 17.51 1.44 4.58	•		West Thompson Lake	31.50	2.59	8.25	42.33
AlW Albemarle and Ches and Dismal Swamp Canal 92.87 7.63 24.31 Gathright Dam-Lake Moomaw 9.30 0.76 2.44 Beltzville Lake 136.54 11.21 35.75 # Blue Marsh Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delaware R to Chesapeake Bay C + D Canal 81.63 6.70 21.37 Prompton Lake 17.51 1.44 4.58			Westville Lake		1.26	4.01	20.58
Gathright Dam-Lake Moomaw 9.30 0.76 2.44 Beltzville Lake 136.54 11.21 35.75 # Blue Marsh Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delaware R to Chesapeake Bay C + D Canal Prompton Lake 81.63 6.70 21.37		Norfolk	AIW Albemarle and Ches and Dismal Swamp Can	<u></u>	7.63	24.31	124.81
Beltzville Lake 136.54 11.21 35.75 # Blue Marsh Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delaware R to Chesapeake Bay C + D Canal 81.63 6.70 21.37 Prompton Lake 17.51 1.44 4.58			Gathright Dam-Lake Moomaw	9:30	0.76	2.44	12.50
Blue Marsh Lake 177.38 14.57 46.44 Francis E Walter Dam 102.44 8.41 26.82 IWW Delaware R to Chesapeake Bay C + D Canal 81.63 6.70 21.37 Prompton Lake 17.51 1.44 4.58		Philadelphia	Beltzville Lake	136.54	11.21	35.75	183.50
102.44 8.41 26.82 81.63 6.70 21.37 17.51 1.44 4.58				177.38	14.57	46.44	238.38
81.63 6.70 21.37 17.51 1.44 4.58			Francis E Walter Dam	-	8.41	26.82	137.67
17.51 1.44 4.58			IWW Delaware R to Chesapeake Bay C + D Cana		6.70	21.37	109.70
			Prompton Lake	17.51	1.44	4.58	23.53

			Job Effects	Job Effects (Number of Jobs)	
Division District	Project	Direct	Indirect	Induced	Total
NWD Kansas City	Blue Springs Lake	80.08	7.31	23.32	119.71
	Clinton Lake	276.32	22.69	72.35	371.36
	Harlan County Lake	169.81	13.94	44.46	228.21
	# Harry S Truman Dam and Reservoir	654.05	53.71	171.24	879.00
	Hillsdale Lake	93.61	7.69	24.51	125.81
-	Kanopolis Lake	65.37	5.37	17.11	87.85
	Long Branch Lake	86.86	7.13	22.74	116.73
	Longview Lake	216.46	17.77	56.67	290.90
	Melvern Lake	126.05	10.35	33.00	169.40
	# Milford Lake	162.68	13.36	42.59	218.63
	Perry Lake	270.80	22.24	70.90	363.94
	# Pomme De Terre Lake	629.71	51.71	164.87	846.29
_	Pomona Lake	186.77	15.34	48.90	251.00
	# Rathbun Lake	189.25	15.54	49.55	254.34
		417.08	34.25	109.20	560.53
	# Stockton Lake	385.08	31.62	100.82	517.52
	Tuttle Creek Lake	189.11	15.53	49.51	254.16
	Wilson Lake	68.38	5.62	17.90	91.90
Omaha	Bear Creek Lake	98.77	5.31	16.25	120.33
	# Big Bend Dam Lake Sharpe	378.73	31.10	99.16	508.99
		5.59	0.46	1.46	7.51
	Bowman Haley Lake	10.27	0.84	2.69	13.80
	Branched Oak Lake	68.67	5.64	17.98	92.29
	# Chatfield Lake	519.61	32.58	119.26	671.45
		886.54	72.80	232.11	1191.45
	Cold Brook Lake	62.6	0.80	2.56	13.15
,	Conestoga Lake	10.31	0.85	2.70	13.86
	Cottonwood Springs Lake	2.14	0.18	0.56	2.88
-	Fort Peck Project	116.97	9.61	30.63	157.20
	Fort Randall Dam Lake Francis Case	270.42	22.21	70.80	363.42
	Garrison Dam Lake Sakakawea	459.08	37.70	120.19	616.97
	# Gavins Point Project	513.85	22.81	72.08	608.73
	Glenn Cunningham Lake	44.18	3.63	11.57	59.38
	Holmes Lake	109.52	8.99	28.67	147.19

District District Project Indirect Indirect Job Fige Total Total	Table E4	Table E4 (Continued)					
# Careb Dam Lake Cahe		Dietriot			Job Effects (Number of Jobs)	
# Oahe Dan Lake Cahe	DIVISION	DISTLICT	Froject	Direct	Indirect	Induced	Total
Olive Creek Lake 3.97 0.33 1.04 Payment Lake 23.02 1.05 1.05 Physican Lake 23.03 1.89 6.03 Sile 10 Varies Hill Lake Saltcreek Tributary 5.34 0.44 1.40 Sile Sile Conversion Lake 4.66 2.42 7.71 Wegordrain Lake 4.74 0.39 1.22 Sile Conversion Lake 6.54 0.74 1.72 Wegordrain Lake 81.66 2.42 7.71 Webordrain Lake 81.66 6.74 1.72 Device Lake 6.74 1.72 2.80 Webordrain Lake 87.59 7.44 1.77 2.136 Device Lake 1.65.90 7.12 2.65 2.60 Device Lake 1.48.14 1.7.72 2.60 2.60 Device Lake 1.46.4 1.7.72 3.9.40 3.7.4 Device Lake 1.65.39 1.1.72 3.9.40 4.7.44 Fell Creak Lake 1.47.7 9.42 30.05	NWD (cont)	Omaha (cont)		522.00	42.86	136.67	701.54
Pewmee Lake			Olive Creek Lake	3.97	0.33	1.04	5.34
Singercach Lake Singercach			Pawnee Lake	40.10	3.29	10.50	53.89
Sile 10 Yankee Hill Lake Saltcreek Tributary 5,34 0.44 1,40 Singer-Coach Lake 4,66 0.38 1,22 Slanding Bear Lake 29,46 2,42 7.71 Twh Lakes 4,74 0.39 1,24 Webrispan Lake 6,54 0.74 1,72 Webrispan Lake 81,66 6,74 1,72 Zorinsky Lake 81,66 6,74 1,72 Blue River Lake 81,66 6,74 1,72 Elbe River Lake 87,48 8.00 25,51 Cottagar Lake 20,63 1,89 5,40 Devict Lake 7,31 0.60 1,92 Devict Lake 20,63 1,18 5,40 Dorient Lake 7,31 0.60 1,92 Fell Creak Lake 20,83 1,17 38,70 Foster Lake Green Pater Lake 4,19 7,43 Green Pater Lake 11,19 2,33 7,43 Foster Lake 1,00 3,13 4,14			Pipestem Lake	23.82	1.96	6.24	32.01
Sinyder-Winnelago 23.03 1.89 6.03 Sigadocach Lake 29.46 2.35 1.22 Slanding Bear Lake 4.74 0.39 1.22 Webraparin Lake 6.54 0.74 1.77 Webraparin Lake 6.54 0.74 1.72 Zoninsky Lake 97.44 8.00 2.55.1 Ellue River Lake 15.46 1.27 4.05 Blue River Lake 16.46 1.27 4.05 Cottage Grove Lake 16.46 1.27 4.05 Detroit Lake 20.63 1.69 5.40 Detroit Lake 1.64 1.73 38.40 Detroit Lake 2.63 1.17 39.40 Detroit Lake 1.65.39 11.72 39.40 Detroit Lake 2.64.12 2.3.33 1.44 Edit Creek Lake 2.06.3 1.17 39.40 Entroit Lake 2.64.12 2.3.33 1.43 Ferr Ridge Lake Green Peter Lake 1.65.39 1.4.39			Site 10 Yankee Hill Lake Saltcreek Tributary	5.34	0.44	1.40	7.18
Stagecoach Lake 4.66 0.38 1.22 Twin Lakes 2.42 7.71 Wagontrain Lake 6.54 0.74 1.72 Weinspann Lake 6.54 0.74 1.72 Weinspann Lake 81.68 6.71 21.38 Zoninsky Lake 15.46 1.27 22.89 Blue River Lake 1.27 22.89 2.85.51 Cottage Grove Lake 148.14 1.27 228.98 Cottage Grove Lake 2.063 1.69 5.40 Detroit Lake 2.063 1.69 5.40 Detroit Lake 2.063 1.69 5.40 Detroit Lake 148.14 1.2.16 38.79 Detroit Lake 2.063 1.69 5.40 Detroit Lake 114.77 9.42 30.05 Fell Creek Lake 2.083 1.34 5.02 Fell Creek Lake 118.19 1.48 1.10 Hills Creek 4.19 0.34 1.10 Lokout Point Lake <td< td=""><td></td><td></td><td>Snyder-Winnebago</td><td>23.03</td><td>1.89</td><td>6.03</td><td>30.95</td></td<>			Snyder-Winnebago	23.03	1.89	6.03	30.95
Standing Bear Lake 29.46 2.42 7.71 Twin Lakes 4.74 0.39 1.24 Wehrspann Lake 81.68 6.74 1.72 Wehrspann Lake 97.44 8.00 25.51 Eliue River Lake 15.46 1.27 4.05 Blue River Lake 15.46 1.27 4.05 Eliue River Lake 15.46 1.27 4.05 Cougar Lake 20.63 1.89 5.40 Destroit Lake 7.31 0.60 1.92 Destroit Lake 7.31 0.60 1.52 Destroit Lake 148.14 12.16 38.79 Destroit Lake 7.31 0.60 1.32 Fern Ridge Lake 1.47.7 9.42 30.05 Fern Ridge Lake 1.65.39 11.72 39.40 Forster Lake 1.65.39 11.72 39.40 Fern Ridge Lake 2.84.12 23.33 17.44 Greek Lake 1.65.39 11.72 39.40 Loko			Stagecoach Lake	4.66	0.38	1.22	6.26
Weinstakes 4,74 0.39 1,24 Weinspann Lake 6,54 0,74 1,72 Weinspann Lake 81,68 6,71 21,38 Zorinsky Lake 87,44 8,00 25,51 Blue River Lake 15,46 1,27 4,05 Elbue River Lake 168 228,98 228,98 Cottago Clove Lake 7,31 1,66 38,79 Derrolt Lake 7,31 0,60 1,92 Derrolt Lake 148,14 1,72 39,40 Foster Lake 284,12 23,33 74,39 Foster Lake 181,19 1,34 5,02 Hills Creek Lake 11,10 4,14 1,10 # Orbit Lake 1,10 23,32 1,10 # Orbit Lake 1,10 1,10 1,10 # Orbit Lake			Standing Bear Lake	29.46	2.42	7.71	39.59
Wagontrain Lake 6.54 0.74 1.72 Wehrspann Lake 81.68 6.71 21.38 Zorinsky Lake 15.46 1.27 4.05 Blue River Lake 15.46 1.27 4.05 Cottage Grove Lake 148.14 12.16 38.79 Cougar Lake 20.63 7.31 0.60 1.92 Deroit Lake 15.39 11.72 39.40 Doretz Lake 16.80 1.34 5.02 Fall Creek Lake 18.19 1.48 47.44 Foster Lake 20.83 1.34 5.02 Fall Creek Lake 20.83 1.34 5.02 Fall Creek Lake 20.83 1.34 5.02 Fall Creek Lake 18.19 1.48 47.44 Green Peter Lake 18.19 1.48 47.44 Green Peter Lake 18.19 0.34 1.10 Hills Creek Lake 18.20 2.54 82.07 Hills Creek Lake 19.35 5.04 4.15			Twin Lakes	4.74	0.39	1.24	6.37
Wehrspann Lake 81.68 6.71 21.38 Zorinsky Lake 97.44 8.00 25.51 Blue River Lake 15.46 1.27 4.05 I# Bonneville Lock and Dam 874.59 77.82 228.96 Cotitage Grove Lake 20.63 1.69 5.40 Detroit Lake 20.63 1.69 5.40 Detroit Lake 7.31 0.60 1.92 Dorena Lake 1.477 9.42 39.40 Fall Creek Lake 1.477 9.42 30.05 Foster Lake 20.83 1.34 5.02 Foster Lake 28.412 23.33 74.39 Foster Lake 91.35 7.50 23.92 Hills Creek 41.19 0.34 1.10 Lookout Point Lake 91.35 7.50 23.62 Hills Creek 41.9 0.34 1.10 Lookout Creek Lad Dam, Lake Celilo 31.348 25.74 82.07 Williamette Falls Locks 1.58 1.30 4.15 </td <td></td> <td></td> <td>Wagontrain Lake</td> <td>6.54</td> <td>0.74</td> <td>1.72</td> <td>9.00</td>			Wagontrain Lake	6.54	0.74	1.72	9.00
Zorinsky Lake 97.44 8.00 25.51 Blue River Lake 15.46 1.27 4.05 Iff Bonneville Lock and Dam 874.59 7.182 228.98 Cottage Grove Lake 20.63 1.69 5.40 Cougar Lake 7.31 0.60 1.92 Detroit Lake 7.31 0.60 1.92 Dorena Lake 114.77 9.42 30.05 Fall Creak Lake 144.77 9.42 30.05 Fall Creak Lake 18.13 1.34 5.02 Foster Lake 18.19 14.88 47.44 Green Peter Lake 91.35 7.50 23.92 Hills Creek 4.19 0.34 1.10 Lookout Point Lake 91.35 7.50 23.92 Hills Creek John Day Lock and Dam, Lake Ceilio 19.35 51.94 165.61 Lost Creek Lake Dam Day Lock and Dam, Lake Ceilio 13.346 25.74 82.07 Williamette Falls Locks Willow Creek 1.28 1.03 4.15			Wehrspann Lake	81.68	6.71	21.38	109.77
Blue River Lake 15.46 1.27 4.05 Cottage Grove Lake 74.59 71.82 228.98 Cottage Grove Lake 20.63 1.69 5.40 Detroit Lake 7.31 0.60 1.92 Designat Lake 155.39 11.72 39.40 Dorena Lake 144.77 9.42 30.05 Fall Creek Lake 20.83 1.34 5.02 Forster Lake 181.19 14.88 47.44 Foster Lake 181.19 14.88 47.44 Foster Lake 181.19 14.88 47.44 Green Peter Lake 91.35 7.50 23.92 Hills Creek 41.19 14.88 47.44 Lockout Point Lake 50.06 4.11 11.0 Lost Creek Lake 50.06 4.11 13.11 Lost Creek Lake 50.06 4.11 13.11 Millamette Falls Locks 15.85 1.30 4.15 Williamette Falls Locks and Dam, Lake Umatilla 65.14 80.5			Zorinsky Lake	97.44	8.00	25.51	130.95
## Bonneville Lock and Dam 874.59 71.82 228.98 Cottage Grove Lake 148.14 12.16 38.79 Cougar Lake 20.63 1.69 5.40 Detroit Lake 7.31 0.60 1.92 Dorena Lake 155.39 11.72 39.40 Dorena Lake 144.77 9.42 30.05 Fall Creek Lake 20.83 1.34 5.02 For Ridge Lake 20.83 1.34 5.02 Foster Lake 181.19 14.88 47.44 Green Peter Lake 181.19 14.88 47.44 Hills Creek Lake 50.06 4.11 13.11 Look out Point Lake 50.06 4.11 13.11 Lost Creek Lake 50.06 4.11 13.11 Lost Creek Lake 15.85 50.53 4.15 Willamette Falls Locks Willamette Falls Locks 15.86 1.30 4.15 Willow Creek Albeni Falls Dam and Rufus Woods Lake 45.96 3.77 12.09 <t< td=""><td></td><td>Portland</td><td>Blue River Lake</td><td>15.46</td><td>1.27</td><td>4.05</td><td>20.77</td></t<>		Portland	Blue River Lake	15.46	1.27	4.05	20.77
Cottage Grove Lake 148.14 12.16 38.79 Cougar Lake 20.63 1.69 5.40 Dextor Lake 7.31 0.60 1.92 Dorand Lake 155.39 11.72 39.40 Dorand Lake 144.77 9.42 30.05 Fall Creek Lake 284.12 23.33 74.39 Forster Lake 181.19 14.88 47.44 Green Peter Lake 91.35 7.50 23.92 Hills Creek 4.19 0.34 1.10 # John Day Lock and Dam, Lake Umatilla 632.55 51.94 165.61 Lockout Point Lake 50.06 4.11 13.11 Lost Creek Lake 193.00 15.85 50.53 # John Day Lock and Dam, Lake Celilo 313.48 25.74 82.07 Williamette Falls Locks 15.85 1.30 4.15 Williamette Falls Lock and Dam, Lake Pend Oreille 80.55 6.574 82.07 Williamette Falls Locks 45.96 3.77 12.09 Chief Joseph D				874.59	71.82	228.98	1175.39
Cougar Lake 20.63 1.69 5.40 Devitor! Lake 7.31 0.60 1.92 Dorenta Lake 155.39 11.72 39.40 Fall Creek Lake 11.477 9.42 30.05 Fem Ridge Lake 20.83 1.34 5.02 Fem Ridge Lake 284.12 23.33 74.39 Foster Lake 181.19 14.88 47.44 Green Peter Lake 91.35 7.50 23.92 Hills Creek 4.19 0.34 1.10 # John Day Lock and Dam, Lake Umatilla 632.55 51.94 165.61 Lookout Point Lake 50.06 4.11 13.11 Lost Creek Lake 193.00 15.85 50.53 Williamette Falls Locks and Dam, Lake Ceilio 313.48 25.74 82.07 Williamette Falls Locks 15.85 1.03 3.29 Albeni Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystl			Cottage Grove Lake	148.14	12.16	38.79	199.09
Detroit Lake 7.31 0.60 1.92 Dexter Lake 155.39 11.72 39.40 Fall Creek Lake 114.77 9.42 30.05 Fem Ridge Lake 20.83 1.34 5.02 Fem Ridge Lake 20.83 1.34 5.02 Fem Ridge Lake 20.83 1.34 5.02 Fem Ridge Lake 284.12 23.33 74.39 Foster Lake 181.19 14.88 47.44 Green Peter Lake 91.35 7.50 23.92 Hills Creek 4.19 0.34 1.10 # John Day Lock and Dam, Lake Umatilla 632.55 51.94 165.61 Lookout Point Lake 50.06 4.11 13.11 Lookout Point Lake 193.00 15.85 50.53 # The Dalles Lock and Dam, Lake Celilo 15.85 1.09 Williamette Falls Locks 15.85 1.03 4.15 Williamette Falls Locks 15.86 1.03 4.15 Albeit Falls Dam and Lake Pend Oreille 80.55			Cougar Lake	20.63	1.69	5.40	27.73
Dexter Lake 155.39 11.72 39.40 Dorena Lake 114.77 9.42 30.05 Fall Creek Lake 20.83 1.34 5.02 Fen Ridge Lake 284.12 23.33 74.39 Foster Lake 181.19 14.88 47.44 Green Peter Lake 91.35 7.50 23.92 Hills Creek 41.9 0.34 1.10 # John Day Lock and Dam, Lake Umatilia 632.55 51.94 165.61 Loskout Point Lake 193.00 15.85 50.53 # The Dalles Lock and Dam, Lake Ceillo 313.48 25.74 82.07 Williamette Falls Lock 16.85 1.30 4.15 Williamette Falls Lock 15.85 1.30 4.15 Williamette Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.09 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42 </td <td></td> <td></td> <td>Detroit Lake</td> <td>7.31</td> <td>0.60</td> <td>1.92</td> <td>9.83</td>			Detroit Lake	7.31	0.60	1.92	9.83
Dorena Lake 114.77 9.42 30.05 Fall Creek Lake 20.83 1.34 5.02 Fern Ridge Lake 284.12 23.33 74.39 Foster Lake 181.19 14.88 47.44 Green Peter Lake 11.10 4.19 0.34 1.10 Hills Creek 4.19 0.34 1.10 1.10 # John Day Lock and Dam, Lake Umatilla 632.55 51.94 1.65.61 Lookout Point Lake 50.06 4.11 13.11 Lost Creek Lake 50.06 4.11 13.11 Willamette Falls Locks 1585 50.53 4.15 Williamette Falls Locks 15.85 1.30 4.15 William and Lake Pend Oreille 80.55 6.61 21.09 Albeni Falls Dam and Rutus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42			Dexter Lake	155.39	11.72	39.40	206.51
Fall Creek Lake 20.83 1.34 5.02 Fern Ridge Lake 284.12 23.33 74.39 Foster Lake 181.19 14.88 47.44 Green Peter Lake 91.35 7.50 23.92 Hills Creek 4.19 0.34 1.10 # John Day Lock and Dam, Lake Umatilla 632.55 51.94 165.61 Lookout Point Lake 50.06 4.11 13.11 Lost Creek Lake 193.00 15.85 50.53 # The Dalles Lock and Dam, Lake Cellio 313.48 25.74 82.07 Willamette Falls Locks 15.85 1.30 4.15 Willow Creek 103 3.29 1.09 Albeni Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42			Dorena Lake	114.77	9.42	30.05	154.24
Fern Ridge Lake 284,12 23,33 74,39 Foster Lake 181,19 14,88 47,44 Green Peter Lake 91,35 7,50 23,92 Hills Creek 4,19 0,34 1,10 # John Day Lock and Dam, Lake Umatilla 632,55 51,34 165,61 Lookout Point Lake 50,06 4,11 13,11 Lost Creek Lake 50,06 4,11 13,11 Lost Creek Lake 193,00 15,85 50,53 # The Dalles Lock and Dam, Lake Cellio 313,48 25,74 82,07 Willow Creek 10,33 4,15 10,3 Willow Creek 10,33 3,29 10,3 Albeni Falls Locks 12,58 1,03 4,15 Albeni Falls Dam and Lake Pend Oreille 80,55 6,61 21,09 Chief Joseph Dam and Rufus Woods Lake 45,96 3,77 12,03 Keystone Harbor 20,52 65,44 119,42 Lake Washington Ship Canal 456,13 37,46 119,42			Fall Creek Lake	20.83	1.34	5.02	27.19
Foster Lake 181.19 14.88 47.44 Green Peter Lake 91.35 7.50 23.92 Hills Creek 4.19 0.34 1.10 # John Day Lock and Dam, Lake Umatilla 632.55 51.94 165.61 Lookout Point Lake 50.06 4.11 13.11 Lost Creek Lake 193.00 15.85 50.53 # The Dalles Lock and Dam, Lake Celilo 313.48 25.74 82.07 Willow Creek 15.85 1.30 4.15 Willow Creek 10.33 3.29 Albeni Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42			Fern Ridge Lake	284.12	23.33	74.39	381.84
Green Peter Lake 91.35 7.50 23.92 Hills Creek 4.19 0.34 1.10 # John Day Lock and Dam, Lake Umatilla 632.55 51.94 165.61 Lookout Point Lake 50.06 4.11 13.11 Lost Creek Lake 193.00 15.85 50.53 Willamette Falls Locks 15.85 1.30 4.15 Willow Creek 12.58 1.03 3.29 Albeni Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42			Foster Lake	181.19	14.88	47.44	243.50
Hills Creek 4.19 0.34 1.10 # John Day Lock and Dam, Lake Umatilla 632.55 51.94 165.61 Lookout Point Lake 50.06 4.11 13.11 Lost Creek Lake 193.00 15.85 50.53 # The Dalles Lock and Dam, Lake Celilo 313.48 25.74 82.07 Willamette Falls Locks 15.85 1.30 4.15 Willow Creek 12.58 1.03 3.29 Albeni Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42				91.35	7.50	23.92	122.77
# John Day Lock and Dam, Lake Umatilla 632.55 51.94 165.61 Lookout Point Lake 50.06 4.11 13.11 Lost Creek Lake 193.00 15.85 50.53 # The Dalles Lock and Dam, Lake Celilo 313.48 25.74 82.07 Willamette Falls Locks 15.85 1.30 4.15 Willow Creek 12.58 1.03 3.29 Albeni Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42			Hills Creek	4.19	0.34	1.10	5.63
Lookout Point Lake 50.06 4.11 13.11 Lost Creek Lake 193.00 15.85 50.53 # The Dalles Lock and Dam, Lake Celilo 313.48 25.74 82.07 Willamette Falls Locks 15.85 1.30 4.15 Willow Creek 12.58 1.03 3.29 Albeni Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42				632.55	51.94	165.61	850.10
Lost Creek Lake 193.00 15.85 50.53 # The Dalles Lock and Dam, Lake Celilo 313.48 25.74 82.07 Willamette Falls Locks 15.85 1.30 4.15 Willow Creek 12.58 1.03 3.29 Albeni Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42			Lookout Point Lake	50.06	4.11	13.11	67.27
# The Dalles Lock and Dam, Lake Celilo 313.48 25.74 82.07 Willamette Falls Locks 15.85 1.30 4.15 Willow Creek 12.58 1.03 3.29 Albeni Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42			Lost Creek Lake	193.00	15.85	50.53	259.38
Willamette Falls Locks 15.85 1.30 4.15 Willow Creek 12.58 1.03 3.29 Albent Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42			# The Dalles Lock and Dam, Lake Celilo	313.48	25.74	82.07	421.30
Willow Creek 12.58 1.03 3.29 Albeni Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42			Willamette Falls Locks	15.85	1.30	4.15	21.31
Albeni Falls Dam and Lake Pend Oreille 80.55 6.61 21.09 Chief Joseph Dam and Rufus Woods Lake 45.96 3.77 12.03 Keystone Harbor 249.94 20.52 65.44 Lake Washington Ship Canal 456.13 37.46 119.42	1		Willow Creek	12.58	1.03	3.29	16.90
45.96 3.77 12.03 249.94 20.52 65.44 456.13 37.46 119.42		Seattle	Albeni Falls Dam and Lake Pend Oreille	80.55	6.61	21.09	108.26
Ship Canal 249.94 20.52 65.44 65.13 37.46 119.42			Chief Joseph Dam and Rufus Woods Lake	45.96	3.77	12.03	61.76
456.13 37.46 119.42			Keystone Harbor	249.94	20.52	65.44	335.90
Chant)			Lake Washington Ship Canal	456.13	37.46	119.42	613.01
							(Shoot 9 of 14)

Division District NWD (cont) Seattle (cont)					
NWD (cont) Seattle (cont)	Project	Direct	Indirect	rect Induced	Total
	Libby Dam and Lake Koocanusa	81.44	69:9	21.32	109.45
1 141	Mud Mountain Dam Project White River	30.11	2.47	7.88	40.46
Walla Walla	# Dworshak Dam & Reservoir	73.39	6.03	19.22	98.63
		155.83	12.80	40.80	209.42
		65.13	5.35	17.05	87.53
	i# Lower Granite Lock & Dam	325.84	26.76	85.31	437.91
	Lower Monumental Lock & Dam, Lake West	53.57	4.40	14.03	72.00
	Lucky Peak Lake	252.47	31.78	93.89	378.15
	# McNary Lock & Dam, Lake Wallula	1231.58	101.13	322.45	1655.16
	Mill Creek Lake	47.78	3.92	12.51	64.21
POD Alaska	Chena River Lakes	43.90	3.60	11.49	58.99
	Fernandina Harbor	18.04	1.48	4.72	24.24
	Four River Basins	77.46	6.36	20.28	104.10
	! Lake Okeechobee and Waterway	2358.27	193.65	617.43	3169.36
	Miami Harbor	13.21	1.08	3.46	17.75
Mobile	Alabama River Lakes Claiborne	75.59	6.21	19.79	101.58
	# Alabama River Lakes Dannelly	622.60	40.15	118.82	781.57
	# Alabama River Lakes Woodruff	526.09	52.99	116.02	695.11
	# Allatoona Lake	1592.33	159.45	328.93	2080.70
	Black Warrior and Tombigbee Lakes	1392.08	114.31	364.47	1870.85
	Carters Lake	224.05	18.40	58.66	301.11
	George W. Andrews Lake	141.81	11.64	37.13	190.59
	# Lake Seminole	347.41	22.93	76.27	446.61
	# Lake Sidney Lanier	2209.94	217.79	706.73	3134.46
	Okatibbee Lake	312.97	25.70	81.94	420.61
	! Tennessee-Tombigbee Waterway	1085.05	89.10	284.08	1458.24
	i# Walter F. George Lake	2187.00	154.01	509.56	2850.57
		687.21	58.62	186.39	932.22
Savannah	# Hartwell Lake	3303.01	313.87	885.42	4502.29
	# J. Strom Thurmond Lake	2067.88	182.24	511.57	2761.70
	New Savannah Bluff Lock and Dam	38.99	3.20	10.21	52.40
	Richard B Russell Dam and Lake	415.02	34.08	108.66	557.76

4010	, integral	1000			Job Effects	Job Effects (Number of Jobs)	
	DISTRICT	Project		Direct	Indirect	Induced	Total
SAD (cont)	Wilmington	# B Everett	B Everett Jordan Dam and Lake	377.43	18.13	76.48	472.04
		Cape Fee	Cape Fear River <3 Locks and Dams>	20.59	1.69	5.39	27.68
		# Falls Lake	Э	176.59	8.23	34.26	219.09
			John H Kerr Dam and Reservoir	904.47	52.21	224.85	1181.53
			ake	302.03	19.87	65.51	387.42
		# W Kerr S	W Kerr Scott Dam and Reservoir	358.20	15.61	75.57	449.38
SPD	Albuquerque	Abiquiu Dam	Jam	26.32	2.16	68.9	35.37
		Cochiti Lake	ake	81.95	6.73	21.46	110.13
		Conchas Lake	Lake	51.25	4.21	13.42	68.88
		Galisteo Dam	Dam	1.28	0.11	0.34	1.73
-		Jemez Canyon	anyon Dam	4.71	0.39	1.23	6.33
		John Martin Dam	tin Dam	98.83	8.12	25.87	132.81
		Santa Ro	Santa Rosa Dam and Lake	25.32	2.08	6.63	34.03
		Trinidad Lake	Lake	45.26	3.72	11.85	60.83
		Two Rivers Dam	rs Dam	0.49	0.04	0.13	0.66
	Los Angeles	Alamo Lake	ıke	110.44	9.07	28.91	148.42
-		Brea Dam	u	78.99	6.49	20.68	106.15
		Carbon C	Carbon Canyon Dam	71.36	5.86	18.68	95.91
		Fullerton Dam	Dam	79.99	6.57	20.94	107.50
		# Hansen Dam	Jam	233.33	33.16	79.88	346.36
		Mojave F	Mojave River Dam	5.38	0.44	1.41	7.23
		Painted F	Painted Rock Dam	0.00	00.00	0.00	0.00
		Prado Dam	me	117.32	9.63	30.72	157.67
		Salinas L	Salinas Dam Santa Margarita Lake	39.20	3.22	10.26	52.68
		- 1	Dam	112.32	9.22	29.41	150.95
			la Dam	429.81	61.08	147.15	638.04
•		# Whittier N	Whittier Narrows Dam	490.67	70.41	171.16	732.24
	Sacramento		tte Lake	44.12	2.68	10.41	57.21
		1	Lake	20.00	2.10	4.45	26.56
			Harry L Englebright Lake	33.84	2.78	8.86	45.48
			Lake	37.53	1.92	7.58	47.04
		# Lake Kaweah	weah	129.13	13.58	28.74	171.45
		Martis Cr	Martis Creek Lake	7.28	0.68	2.64	10.61
						700	

				Job Effects (Number of Jobs)	ber of Jobs)		
Division	District	Project		Direct	Indirect	Induced	Total
SPD (cont)	Sacramento (cont)	# New Hogan Lake		80.81	6.64	21.16	108.61
				127.03	10.43	33.26	170.72
		1		122.80	8.44	36.81	168.04
		# Success Lake		122.68	14.45	37.13	174.26
	San Francisco			202.72	16.65	53.07	272.44
		ı		117.04	10.32	33.69	161.06
			Regional Visitor Center	43.01	2.14	8.60	53.75
CIMIS	Fort Worth			20.77	1.71	5.44	27.91
1		Bardwell Lake		156.57	12.86	40.99	210.42
		# Belton Lake		743.24	57.41	154.02	954.67
		Benbrook Lake		363.31	29.83	95.12	488.26
		# Canyon Lake		377.02	41.68	120.13	538.82
		Cooper Lake		82.59	6.78	21.62	110.99
		<u>o</u>	Dam Lake O' The Pines	351.68	28.27	103.59	483.54
		Grander Lake		112.92	9.27	29.56	151.76
		# Grapevine Lake		405.30	42.45	104.17	551.92
				152.26	12.50	39.86	204.63
		# Joe Pool Lake		235.44	24.75	57.20	317.39
				193.41	15.88	50.64	259.93
		# Lavon Lake		416.75	44.63	93.94	555.31
				817.30	85.89	223.73	1126.91
				171.48	14.08	44.90	230.45
		O. C. Fisher Lake		272.41	22.37	71.32	366.10
		Proctor Lake		111.47	9.15	29.18	149.81
		Ray Roberts Lake		778.27	63.91	203.76	1045.94
		# Sam Rayburn Reservoir		604.01	43.17	158.75	805.93
		1		468.28	34.08	103.99	606.35
		Stillhouse Hollow Reservoir	į	138.33	11.36	36.22	185.91
		Town Bluff Dam B. A. Ste	B. A. Steinhagen Lake	117.60	99.6	30.79	158.04
		i# Waco Lake		553.13	51.18	167.01	771.32
				402.18	33.08	137.17	572.43
			Lake	368.99	31.23	112.93	513.14
		# Addicks Dam		424.63	41.23	107.36	573.23

Divoject Divoject Divoject Lindicect Indirect	Table E4	lable E4 (Continued)					
Tropect	Divio	101111			Job Effects	(Number of Jobs)	
# Barker Dam Barker Dam Wallisville Reservoir 150,78 12,38 39,47 # Bulls Mourbian Lake	DIVISION	DISTRICT	Project	Direct	Indirect	Induced	Total
# Wallisville Reservoir 51.90 4.26 13.59 # Bull Shoals Lake 844.57 96.66 244.56 # Bull Shoals Lake 682.27 37.7 11.99 35.98 # Bull Shoals Lake 137.43 11.29 35.98 17.36 # Dardanelle Lake - AR.Riv.Nev.Sys 675.77 52.43 16.63 # Dardanelle Lake - AR.Riv.Nev.Sys 675.77 52.43 16.63 Dequeen Lake 410.92 52.56 173.69 Dequeen Lake 42.02 52.56 173.69 Glief Lake 42.02 34.55 173.60 # Dien Lake 42.02 34.55 45.00 143.36 # Milwood Lake 42.02 32.66 45.00 173.61 55.96 # Milwood Lake 42.02 32.45 14.25 44.60 17.61 55.96 # Milwood Lake 42.02 32.45 45.00 17.61 55.96 46.60 # Milwood Lake 42.02 32.64 45.00 46.60 46.60 46.	SWD (cont)	Galveston	Barker Dam	150.76	12.38	39.47	202.61
# Beaver Lake # Bion Mountain Lake # David Dr. Try Lock and Dam - Ark. Riv. Nav. Sys # Milwood Lake # Milwood Lake # Milwood Lake # Milwood Lake # Norrell Lock and Dam - Ark. Riv. Nav. Sys # Mountain Lake # Milwood Lake # Mountain Lake # Milwood Lake # Mountain Lake # Milwood Lake # Mountain Lake # Mountain Lake # Mountain Lake # Milwood Lake # Mountain Lake # Canton Lake # Can			Wallisville Reservoir	51.90	4.26	13.59	69.75
# Bulle Mountlain Lake 6822 3.77 1.1.99 # Bull Montlain Lake 7.184.75 183.96 889.71 Clearwater Lake 177.43 1129 35.96 # David D. Tenry Lock and Dam - Ark.Riv.Nav.Sys 675.77 82.43 161.63 # Dienviser Lake 675.77 82.43 161.63 Dienviser Lake 7.20		Little Rock		844.57	99.96	244.56	1185.80
# Bull Shoels Lake # Cleanwater Lake # Cleanwater Lake # David D. Terry Lock and Dam - Ark Riv Nav. Sys # David D. Terry Lock and Dam - Ark Riv Nav. Sys # David D. Terry Lock and Dam - Ark Riv Nav. Sys # David D. Terry Lock and Dam - Ark Riv Nav. Sys # Millwood Lake # Norroll Lock and Dam - Ark Riv Nav. Sys # Dool 3 Lock and Dam - Ark Riv Nav. Sys # Dool 5 Lock and Dam - Ark Riv Nav. Sys # Table Rock Lake # Pool 5 Lock and Dam - Ark Riv Nav. Sys # Table Rock Lake # Rockefeller Lake-Ormand Lake # Canton Lake # Coppan Lake # Canton Lake # Canton Lake # Canton Lake # Council Grove				68.22	3.77	11.99	83.98
# Deardnelle Lake # David D: Tenry Lock and Dam - Ark Riv Nav. Sys # David D: Tenry Lock and Dam - Ark Riv Nav. Sys # Green's Ferry Lake John Paul Hammerschmidt Lake 54.85 410.92 52.66 14.36				2184.75	193.96	898.71	3277.41
# Dardanelle Lake - Ark Riv Mav. Sys 675.77 52.43 161.63 # Dardanelle Lake - Ark Riv Mav. Sys 410.92 52.66 123.69 Dequeen Lake				137.43	11.29	35.98	184.70
# David D. Terry Lock and Dam - Ark. Riv. Nav. Sys 410.92 52.56 123.69 Dequence Lake 73.07 6.00 143.70 Delets Lake 6.00 143.70 Gillham Lake 42.02 3.45 # Greers Ferry Lake 25.07 21.11 67.30 # Milwood Lake 73.00 Pool 3 Lock and Dam - Ark. Riv. Nav. Sys 25.07 22.85 # Norfork Lake 6.88 19.26 Pool 3 Lock and Dam - Ark. Riv. Nav. Sys 173.02 Pool 3 Lock and Dam - Ark. Riv. Nav. Sys 173.02 Pool 3 Lock and Dam - Ark. Riv. Nav. Sys 173.02 Pool 3 Lock and Dam - Ark. Riv. Nav. Sys 173.04 Pool 4 Lock and Dam - Ark. Riv. Nav. Sys 173.04 Pool 5 Lock and Dam - Ark. Riv. Nav. Sys 173.04 Pool 5 Lock and Dam - Ark. Riv. Nav. Sys 173.04 Pool 6 Lock and Dam - Ark. Riv. Nav. Sys 173.04 Pool 8 Lock and Dam - Ark. Riv. Nav. Sys 173.04 Pool 9 Lock and Dam - Ark. Riv. Nav. Sys 173.04 Rockeleller Lake 7.00 Toal Lock and Dam - Ark. Riv. Nav. Sys 173.04 # Table Rock Lake 173.04 # Table Rock Lake 173.04 # Table Rock Lake 173.04 # Canton Lake 174.05 Broken Bow Lake 174.05 Choule Lake 174.05 Choule Lake 174.05 Choule Lake 174.05 Copan Lake 174.05				675.77	52.43	161.63	889.83
Dequeen Lake 73.07 6.00 19.13 Dierks Lake 54.85 4.50 14.36 Gillham Lake 54.85 4.50 14.36 Gillham Lake 1931.03 146.20 579.38 John Paul Hammerschmidt Lake 257.07 21.11 67.30 # Millwood Lake 257.07 21.11 67.30 # Millwood Lake 278.67 28.95 64.60 # Millwood Lake 132.40 6.58 64.60 # Nimrod Lake 684.06 51.45 275.16 # Norrial Lock and Dam - Ark.Riv.Nav.Sys 132.40 6.58 64.60 Pool Lock and Dam - Ark.Riv.Nav.Sys 24.68 2.03 6.46 Pool Lock and Dam - Ark.Riv.Nav.Sys 179.20 14.72 46.82 Pool Lock and Dam - Ark.Riv.Nav.Sys 16.34 5.00 15.35 Rockefeller Lake-Ormand Lake 274.91 22.57 77.98 Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys 168.96 5.66 9.13 Moren Lake 274.91 22.57 77.9				410.92	52.56	123.69	587.17
Gilham Lake		-	Dequeen Lake	73.07	0.00	19.13	98.20
Gillham Lake 42.02 3.45 11.00 # Greers Ferry Lake 1931.03 146.20 579.38 John Paul Hammerschmidt Lake 257.07 21.11 67.30 # Millwood Lake 270.09 17.61 55.96 64.60 # Nimrod Lake 132.40 6.58 19.26 64.60 # Norriell Lock and Dam - Ark.Riv.Nav.Sys 132.40 6.58 19.26 # Norriell Lock and Dam - Ark.Riv.Nav.Sys 139.02 11.10 3.51 Pool 3 Lock and Dam - Ark.Riv.Nav.Sys 139.02 11.42 36.40 Pool 4 Lock and Dam - Ark.Riv.Nav.Sys 179.20 14.72 46.92 Pool 5 Lock and Dam - Ark.Riv.Nav.Sys 60.84 5.00 15.93 # Table Rock Lake 185.704 162.25 14.42 Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys 60.84 5.00 15.93 # Toadia Lake Birch Lake 8.96 5.66 18.05 Broken Bow Lake 274.91 2.86 9.13 # Contoria Lake 8.96 5.66 18.05			Dierks Lake	54.85	4.50	14.36	73.71
# Grears Ferry Lake John Paul Hammerschmidt Lake John Paul Hammerschmidt Lake John Paul Hammerschmidt Lake John Paul Hammerschmidt Lake # Millwood Lake # Millwood Lake # Norfork Lake Norrell Lock and Dam - Ark.Riv.Nav.Sys Morrell Lock and Dam - Ark.Riv.Nav.Sys 134.2 1.10 3.51			Gillham Lake	42.02	3.45	11.00	56.47
# Millwood Lake				1931.03	146.20	579.38	2656.60
# Millwood Lake # Millwood Lake # Millwood Lake # Numod Lake # Nimod Lake # Nimod Lake # Nimod Lake # Nimod Lake # Norfork Lake # Norfork Lake Pool 3 Lock and Dam - Ark.Riv.Nav.Sys Pool 5 Lock and Dam - Ark.Riv.Nav.Sys Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys Fool 5 Lock and Dam - Ark.Riv.Nav.Sys Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys Table Rock Lake Toad Suck Ferry Lock and Dam - Ark.Riv.Nav.Sys 165.704 162.25 525.66 Toad Suck Ferry Lock and Dam - Ark.Riv.Nav.Sys 168.36 8.90 28.37 Arcadia Lake Suck Rock Lake 1657.04 162.25 13.87 Birch Lake Suck Rock Lake 1657.04 162.25 13.87 Chouteau Lock and Dam - Ark.Riv.Nav.Sys 108.36 8.90 28.37 Birch Lake Suck Rock Rock Rock Rock Rock Rock Rock Ro				257.07	21.11	67.30	345.48
## Murray Lock and Dam - Ark. Riv. Nav. Sys 226.67 28.95 64.60 # Nimrod Lake 1122.40 6.58 19.26 # Norfork Lake 684.06 51.45 275.16 Norfolk Lock and Dam - Ark. Riv. Nav. Sys 133.02 1.10 3.51 Pool 3 Lock and Dam - Ark. Riv. Nav. Sys 24.68 2.03 6.46 Pool 4 Lock and Dam - Ark. Riv. Nav. Sys 179.20 14.72 46.92 Pool 5 Lock and Dam - Ark. Riv. Nav. Sys 55.07 4.52 14.42 Rockefeller Lake-Ormand L & D-Ark. Riv. Nav. Sys 60.84 5.00 15.93 # Table Rock Lake Toad Suck Ferry Lock and Dam-Ark. Riv. Nav. Sys 108.36 8.90 28.37 Arcadia Lake Birch Lake 8.90 2.86 18.05 Birch Lake Broken Bow Lake 274.91 2.2.57 77.98 # Canton Lake Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 18.91 Copan Lake 21.64 1.78 5.86 Co				210.09	17.61	55.96	283.66
# Nimrod Lake 132,40 6.58 19.26 # Norfork Lake 684,06 51,45 275.16 Norrell Lock and Dam - Ark.Riv.Nav.Sys 13,42 1.10 3.51 Pool 3 Lock and Dam - Ark.Riv.Nav.Sys 24.66 2.03 6.46 Pool 5 Lock and Dam - Ark.Riv.Nav.Sys 179,20 14,72 46.92 Pool 5 Lock and Dam - Ark.Riv.Nav.Sys 60.84 5.00 15.93 # Table Rock Lake 165.704 165.704 165.26 14.42 Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys 1657.04 165.25 525.66 Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys 108.36 8.90 2.83.7 Arcadia Lake 68.96 5.66 18.05 Birch Lake 68.96 5.66 18.05 Broken Bow Lake 274.91 22.57 71.98 Chouteau Lock and Dam 17 52.97 4.35 13.87 Chouteau Lake 21.64 1.78 5.66 Chouteau Lake 21.64 1.78 5.66 Copan Lake 21.64				226.67	28.95	64.60	320.22
# Norfolk Lake 684.06 51.45 275.16 Norrell Lock and Dam - Ark.Riv.Nav.Sys 134.2 1.10 3.51 Ozark Lake - Ark.Riv.Nav.Sys 139.02 11.42 36.40 Pool 3 Lock and Dam - Ark.Riv.Nav.Sys 24.68 2.03 6.46 Pool 5 Lock and Dam - Ark.Riv.Nav.Sys 179.20 14.72 46.92 Pool 5 Lock and Dam - Ark.Riv.Nav.Sys 60.84 5.00 15.93 # Table Rock Lake Todd Suck Ferry Lock and Dam-Ark.Riv.Nav.Sys 1657.04 162.25 525.66 Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys 108.36 8.90 2.83.37 Arcadia Lake 32.487 2.86 9.13 Birch Lake 32.491 22.57 71.98 # Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Copan Lake 21.64 1.78 5.66 Copan Lake 21.64 1.78 5.66 Council Grove<				132.40	6.58	19.26	158.24
Norrell Lock and Dam - Ark.Riv. Nav.Sys 13,42 1.10 3.51 Ozark Lake - Ark.Riv. Nav.Sys 139,02 11.42 36.40 Pool 3 Lock and Dam - Ark.Riv. Nav.Sys 24,68 2.03 6.46 Pool 4 Lock and Dam - Ark.Riv. Nav.Sys 55,07 4.52 14,42 Rockefeller Lake-Ormand L & D-Ark.Riv. Nav.Sys 60.84 5.00 15,33 # Table Rock Lake 1657.04 162.25 525.66 Wilbur D. Mills Lock and Dam-Ark.Riv. Nav.Sys 108.36 8.90 28.37 Arcadia Lake 8190 2.86 18.05 Birch Lake 34.87 2.86 13.85 Broken Bow Lake 274.91 22.57 71.98 # Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Copan Lake 21.64 1.78 5.66				684.06	51.45	275.16	1010.66
Ozark Lake - Ark.Riv.Nav.Sys 139.02 1142 36.40 Pool 3 Lock and Dam - Ark.Riv.Nav.Sys 24.68 2.03 6.46 Pool 4 Lock and Dam - Ark.Riv.Nav.Sys 179.20 14.72 46.92 Pool 5 Lock and Dam - Ark.Riv.Nav.Sys 55.07 4.52 14.42 Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys 60.84 5.00 15.93 # Table Rock Lake 1657.04 162.25 525.66 I rable Rock Lake 1657.04 162.25 525.66 Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys 108.36 8.90 28.37 Arcadia Lake 68.96 5.66 18.05 Birch Lake 34.87 2.86 9.13 Broken Bow Lake 274.91 22.57 71.98 # Canton Lake 21.64 1.78 5.66 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Copan Lake 21.64 1.78 5.65			Norrell Lock and Dam - Ark.Riv.Nav.Sys	13.42	1.10	3.51	18.04
Pool 3 Lock and Dam - Ark.Riv.Nav.Sys 24.68 2.03 6.46 Pool 4 Lock and Dam - Ark.Riv.Nav.Sys 179.20 14.72 46.92 Pool 5 Lock and Dam - Ark.Riv.Nav.Sys 55.07 4.52 14.42 Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys 60.84 5.00 15.93 # Table Rock Lake 1657.04 162.25 525.66 Toad Suck Ferry Lock and Dam-Ark.Riv.Nav.Sys 137.34 11.28 35.96 Wilbur D. Millis Lock and Dam-Ark.Riv.Nav.Sys 68.96 5.66 18.05 Birch Lake 34.87 2.86 9.13 Broken Bow Lake 274.91 22.57 71.98 # Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66			Ozark Lake - Ark.Riv.Nav.Sys	139.02	11.42	36.40	186.83
Pool 4 Lock and Dam - Ark.Riv.Nav.Sys 179.20 14.72 46.92 Pool 5 Lock and Dam - Ark.Riv.Nav.Sys 55.07 4.52 14.42 Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys 60.84 5.00 15.93 # Table Rock Lake 1657.04 162.25 525.66 Toad Suck Ferry Lock and Dam-Ark.Riv.Nav.Sys 108.36 8.90 28.37 Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys 108.36 8.90 28.37 Arcadia Lake 68.96 5.66 18.05 Birch Lake 34.87 2.86 9.13 Broken Bow Lake 274.91 22.57 71.98 # Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Council Grove 20.615 101.41 8.33 26.55			Pool 3 Lock and Dam - Ark.Riv.Nav.Sys	24.68	2.03	6.46	33.17
Pool 5 Lock and Dam - Ark.Riv.Nav.Sys 55.07 4.52 14.42 Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys 1657.04 5.00 15.93 # Table Rock Lake 1657.04 162.25 525.66 Toad Suck Ferry Lock and Dam-Ark.Riv.Nav.Sys 137.34 11.28 35.96 Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys 68.96 5.66 18.05 Birch Lake 34.87 2.86 9.13 Broken Bow Lake 274.91 22.57 71.98 # Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Council Grove 21.64 1.78 5.65			Pool 4 Lock and Dam - Ark.Riv.Nav.Sys	179.20	14.72	46.92	240.84
Rockefeller Lake-Ormand L & D-Ark.Riv.Nav.Sys 60.84 5.00 15.93 # Table Rock Lake 1657.04 162.25 525.66 Toad Suck Ferry Lock and Dam-Ark.Riv.Nav.Sys 137.34 11.28 35.96 Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys 108.36 8.90 28.37 Arcadia Lake 34.87 2.86 9.13 Birch Lake 34.87 2.86 9.13 Broken Bow Lake 274.91 22.57 71.98 # Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Council Grove 21.64 1.78 5.66			Pool 5 Lock and Dam - Ark.Riv.Nav.Sys	55.07	4.52	14.42	74.01
# Table Rock Lake 1657.04 162.25 525.66 Toad Suck Ferry Lock and Dam-Ark.Riv.Nav.Sys 137.34 11.28 35.96 Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys 108.36 8.90 28.37 Arcadia Lake 68.96 5.66 18.05 Birch Lake 34.87 2.86 9.13 Broken Bow Lake 274.91 22.57 71.98 Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Council Grove 101.41 8.33 26.55			- 1	60.84	5.00	15.93	81.76
Toad Suck Ferry Lock and Dam-Ark.Riv.Nav.Sys 137.34 11.28 35.96 Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys 108.36 8.90 28.37 Arcadia Lake 68.96 5.66 18.05 Birch Lake 34.87 2.86 9.13 Broken Bow Lake 274.91 22.57 71.98 # Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Council Grove 101.41 8.33 26.55				1657.04	162.25	525.66	2344.95
Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys 108.36 8.90 28.37 Arcadia Lake 68.96 5.66 18.05 Birch Lake 34.87 2.86 9.13 Broken Bow Lake 274.91 22.57 71.98 # Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Council Grove 101.41 8.33 26.55			Toad Suck Ferry Lock and Dam-Ark.Riv.Nav.Sys	137.34	11.28	35.96	184.57
Arcadia Lake 68.96 5.66 18.05 Birch Lake 34.87 2.86 9.13 Broken Bow Lake 274.91 22.57 71.98 # Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Council Grove 101.41 8.33 26.55			Wilbur D. Mills Lock and Dam-Ark.Riv.Nav.Sys	108.36	8.90	28.37	145.63
Birch Lake 34.87 2.86 9.13 Broken Bow Lake 274.91 22.57 71.98 Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Council Grove 101.41 8.33 26.55		Tulsa	Arcadia Lake	98.89	5.66	18.05	92.67
Broken Bow Lake 274.91 22.57 71.98 Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Council Grove 101.41 8.33 26.55			Birch Lake	34.87	2.86	9.13	46.86
Canton Lake 326.14 26.17 49.12 Chouteau Lock and Dam 17 52.97 4.35 13.87 Copan Lake 21.64 1.78 5.66 Council Grove 101.41 8.33 26.55			Broken Bow Lake	274.91	22.57	71.98	369.46
ock and Dam 17 52.97 4.35 13.87 13.87 21.64 1.78 5.66 101.41 8.33 26.55			- 1	326.14	26.17	49.12	401.42
21.64 1.78 5.66 101.41 8.33 26.55			Chouteau Lock and Dam 17	52.97	4.35	13.87	71.18
101.41 8.33 26.55			Copan Lake	21.64	1.78	5.66	29.08
(Sheet 13 of			Council Grove	101.41	8.33	26.55	136.29
							(Sheet 13 of

			Job Effects	Job Effects (Number of Jobs)	
Division District	Project	Direct	Indirect	Induced	Total
SWD (cont) Tulsa (cont)	El Dorado Lake	208.96	17.16	54.71	280.83
	Elk City Lake	39.77	3.27	10.41	53.45
	# Eufaula Lake	711.65	62.83	162.62	937.10
	Fall River Lake	42.40	3.48	11.10	56.99
	# Fort Gibson Lake	681.59	48.08	196.68	926.35
	Fort Supply Lake	74.03	6.08	19.38	99.49
	Great Salt Plains	87.58	7.19	22.93	117.71
	Heybum Lake	38.74	3.18	10.14	52.07
	Hugo Lake	101.26	8.32	26.51	136.09
	Hulah Lake	32.15	2.64	. 8.42	43.20
	John Redmond Reservoir	59.46	4.88	15.57	79.91
	Kaw Lake	51.07	4.19	13.37	68.63
	# Keystone Lake	391.45	46.73	108.79	546.97
	Marion Reservoir	141.70	11.64	37.10	190.44
	Newt Graham Lock and Dam 18	55.38	4.55	14.50	74.43
	# Oologah Lake	363.28	43.65	99.73	506.67
	Optima Lake	9.49	0.78	2.49	12.76
	Pat Mayse Lake	84.96	6.98	22.24	114.18
	Pearson-Skubitz Big Hill Lake	52.64	4.32	13.78	70.75
	Pine Creek Lake	65.77	5.40	17.22	88.39
	Robert S. Kerr, Lock and Dam 15	259.19	21.28	67.86	348.34
	Sardis Lake	87.85	7.21	23.00	118.07
	Skiatook Lake	174.36	14.32	45.65	234.33
	# Tenkiller Ferry Lake	403.38	40.29	105.17	548.85
	# Texoma Lake	1934.93	179.38	652.68	2767.00
	Toronto Lake	46.23	3.80	12.10	62.13
	Truscott Brine Lake, Area VIII	2.31	0.19	09:0	3.10
	Waurika Lake	147.88	12.14	38.72	198.74
	Wd Mayo Lock and Dam 14	32.24	2.65	8.44	43.32
	Webbers Falls Lock and Dam 16	145.82	11.97	38.18	195.97
	Wister Lake	124.37	10.21	32.56	167.14
	Total	123,380	10,217	32,762	166,358
	Average	270.57	22.40	71.85	364.82
			The second secon		

Table E5											
Econom	ic Multipliers fo	Economic Multipliers for Regions Surrounding 108 CE Projects ¹ (Continued)	cts1 (Cc	ntinue	d)						
: i			Capture		Sales		Income			Jobs	
Division	District	Project	Rate ²	Type I	Type III	Direct	Type I	Type III	Direct	Type I	Type III
LRD	Huntington	Alum Creek Lake	%99	1.22	1.66	0.59	0.70	0.95	28.74	31.67	38.21
		Bluestone Lake	63%	1.17	1.81	0.51	09.0	0.94	33.23	35.60	47.15
		Deer Creek Lake	%99	1.21	1.62	0.59	0.71	0.93	28.42	31.32	37.37
		Senecaville Lake	%99	1.14	1.59	0.53	0.59	0.83	33.19	35.15	43.31
		Summersville Lake	%09	1.11	1.59	0.50	0.56	0.83	35.81	37.65	47.95
	Louisville	Barren River Lake	64%	1.19	1.68	0.51	09.0	98.0	34.96	38.25	47.57
		Cecil M. Harden Lake	64%	1.15	1.59	0.52	09.0	0.84	35.59	37.92	46.20
		Monroe Lake	62%	1.17	1.57	0.52	09.0	0.82	34.13	36.62	44.15
		Nolin River Lake	63%	1.19	1.60	0.50	09.0	0.81	35.79	38.93	46.83
		Rough River Lake	62%	1.17	1.56	0.48	0.57	0.77	37.65	40.20	47.66
		William H Harsha Lake	%89	1.24	1.78	0.59	0.72	1.03	27.72	30.95	39.25
	Nashville	Barkley Lock and Dam Lake Barkley	65%	1.20	1.79	0.49	09.0	0.92	33.51	36.39	47.17
		Center Hill Lake	61%	1.16	1.59	0.49	0.57	0.80	31.14	33.53	41.43
		Cheatham Lock and Dam	%69	1.25	1.82	0.54	0.68	1.00	26.11	29.55	38.28
		Cordell Hull Dam and Reservoir	61%	1.15	1.59	0.50	0.58	0.81	30.96	33.41	41.21
·		Dale Hollow Lake	64%	1.15	1.52	0.49	0.56	0.75	32.95	35.28	42.41
		J Percy Priest Dam and Reservoir	%69	1.25	1.88	0.54	0.68	1.02	26.21	29.64	39.28
		Laurel River Lake	72%	1.16	1.63	0.49	0.57	0.82	32.24	34.74	43.98
		Wolf Creek Dam Lake Cumberland	%89	1.15	1.58	0.47	0.53	0.75	33.14	35.67	44.60
	Pittsburgh	Shenango River Lake	%29	1.19	1.85	0.52	0.61	96.0	34.65	37.32	48.54
MVD	Rock Island	Saylorville Lake	%29	1.28	1.99	0.55	0.71	1.11	31.83	35.84	47.68
	St. Louis	Carlyle Lake	%89	1.13	1.51	0.46	0.52	0.72	34.99	36.75	44.03
		Clarence Cannon Dam and Mark Twain Lake	%29	1.21	1.74	0.50	09.0	0.88	36.41	39.30	49.38
		Lake Shelbyville	63%	1.16	1.51	0.49	0.57	0.76	31.85	33.85	40.20
		Rend Lake	%29	1.14	1.49	0.46	0.54	0.72	30.96	32.88	39.46
		Wappapello Lake	%89	1.17	1.67	0.50	0.58	0.84	36.19	38.75	48.54
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Region defined as all counties within 30-mile radius of the project. Multipliers were originally computed by Becker (1997) using IMPLAN DOS version 91-F with 1990 database. All Type III multipliers were modified downward to adjust the induced effects bias and price-adjusted to reflect current year value based on the approaches used in the 1996 regional impact report (Propst et al. 1998).

Capture rate is the percentage of visitor spending captured as direct sales within the region.
 Income per dollar of direct sales. Income includes employee compensation and proprietor and other property income.
 Jobs per million dollars in direct sales. Includes full-time and part-time jobs.
 Notes: LRD = Great Lakes and Ohio River; MVD = Mississippi Valley; NAD = North Atlantic; NWD = Northwestem; POD = Pacific Ocean; SAD = South Atlantic; SPD = South Pacific; SWD = Southwestern.

Table E5	Table E5 (Continued)			į		Ċ.					
Division	District	Project	Capture	Type	Sales Type III	Direct	Income Type I	Type III	Direct	Jobs Type I	Type III
5	Vickshura	Arkabutla Lake	64%	1.09	1.50	0.54	0.58		30.25		39.27
		Degray Lake	63%	1.16	1.60	0.49	0.57	0.80	36.26	38.76	47.90
		Grenada Lake	62%	1.12	1.44	0.47	0.52	69.0	35.12	36.67	43.07
		Lake Ouachita	63%	1.17	1.80	0.53	0.62	96.0	35.40	38.24	50.59
		Sardis Lake	%69	1.12	1.49	0.47	0.52	0.72	36.18	37.71	44.92
NAD	Baltimore	Raystown Lake	%69	1.15	1.65	0.54	0.61	68.0	35.93	38.25	46.90
	Philadelphia	Blue Marsh Lake	65%	1.18	1.69	0.57	99.0	0.94	30.66	32.97	40.74
NWD	Kansas City	Harry S Truman Dam and Reservoir	93%	1.21	1.73	0.47	0.57	0.84	36.98	39.97	49.60
		Milford Lake	93%	1.23	1.69	0.44	0.55	0.80	38.52	42.14	51.12
		Pomme De Terre Lake	%09	1.17	1.77	0.43	0.52	0.83	44.94	47.59	59.43
		Rathbun Lake	61%	1.19	1.74	0.50	0.59	68.0	36.51	39.31	49.76
		Smithville Lake	%29	1.22	1.95	0.54	0.67	1.07	31.54	34.82	46.76
		Stockton Lake	%02	1.25	1.88	0.54	99.0	1.01	31.61	35.27	46.31
	Omaha	Big Bend Dam Lake Sharpe	62%	1.19	1.77	0.50	0.59	0.92	37.43	40.48	51.65
		Chatfield Lake	71%	1.22	1.74	0.54	29.0	76.0	24.71	27.81	35.81
		Cherry Creek Lake	71%	1.22	1.74	0.54	29.0	0.97	24.71	27.81	35.81
		Gavins Point Project	63%	1.23	1.37	0.49	0.59	99.0	38.73	42.30	46.60
		Oahe Dam Lake Oahe	78%	1.22	1.87	0.47	0.58	0.93	31.41	34.51	46.60
	Portland	Bonneville Lock and Dam	71%	1.24	1.72	0.59	0.72	1.00	28.70	31.94	39.50
		John Day Lock and Dam, Lake Umatilla	26%	1.11	1.37	0.46	0.51	99.0	37.36	39.02	44.26
		The Dalles Lock and Dam, Lake Celilo	62%	1.15	1.57	0.57	0.65	0.88	35.04	37.23	45.27
	Walla Walla	Dworshak Dam & Reservoir	21%	1.10	1.37	0.53	0.58	0.74	38.42	40.49	46.81
	•	Lower Granite Lock & Dam	62%	1.17	1.71	0.49	0.58	0.89	39.18	41.95	53.05
		McNary Lock & Dam, Lake Wallula	61%	1.17	1.60	0.51	09.0	0.84	33.81	36.41	44.41
SAD	Mobile	Alabama River Lakes Dannelly	62%	1.15	1.46	0.47	0.54	0.70	32.99	35.12	41.41
		Alabama River Lakes Woodruff	%99	1.20	1.56	0.51	0.62	0.81	29.51	32.48	38.98
		Allatoona Lake	%29	1.21	1.56	0.59	0.70	0.91	25.07	27.57	32.75
		Lake Seminole	62%	1.15	1.53	0.49	0.56	0.76	32.78	34.94	42.14
		Lake Sidney Lanier	%29	1.20	1.74	0.58	69.0	0.99	26.25	28.84	37.23
		Walter F. George Lake	29%	1.16	1.53	0.48	0.56	0.76	33.12	35.45	43.17
		West Point Project	64%	1.17	1.62	0.53	0.61	98.0	29.67	32.20	40.24
	Savannah	Hartwell Lake	%29	1.20	1.67	0.52	0.63	0.89	30.05	32.91	40.97
		J. Strom Thurmond Lake	64%	1.19	1.64	0.52	0.62	0.86	32.02	34.84	42.76
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Table E5	Table E5 (Continued)	To a real state of the state of									
			Capture	Sa	Sales		Income			Jobs	
Division	District	Project	Rate	Type I	Type III	Direct	Type I	Type III	Direct		Type III
SAD (cont) Wilmington	Wilmington	B Everett Jordan Dam and Lake	%59	1.13	1.49	0.55	0.62	0.82	29.52		36.92
		Falls Lake	64%	1.13	1.48	0.56	0.62	0.82	29.41	30.78	36.49
		John H Kerr Dam and Reservoir		1.15	1.64	0.49	0.56	0.82	36.64	38.76	47.87
		Philpott Lake		1.12	1.53	0.50	0.56	0.78	36.27	38.66	46.53
		W Kerr Scott Dam and Reservoir	62%	1.11	1.48	0.52	0.57	0.77	33.85	35.32	42.47
SPD	Los Angeles	Hansen Dam	83%	1.25	1.79	0.54	0.68	1.00	19.08	21.79	28.32
		Sepulveda Dam	83%	1.25		0.54	99.0	1.00	19.08	21.79	28.32
		Whittier Narrows Dam		1.25	1.80	0.54	0.68	1.00	19.05	21.78	28.42
	Sacramento	Black Butte Lake		1.14		0.51	0.58	0.82	32.22	34.17	41.78
		Eastman Lake	%09	1.09	1.43	0.56	09.0	0.79	26.81	28.18	33.60
		Harry L Englebright Lake		1.18	1.87	0.55	99.0	1.05	29.11	31.82	42.38
		Hensley Lake			1.43	0.56	09.0	0.79	26.85	28.19	33.56
		Lake Kaweah	%99	1.22	1.64	0.53	0.64	0.87	29.38	32.47	39.01
		New Hogan Lake			1.74	0.53	0.61	0.95	32.46	34.69	44.42
		Pine Flat Lake		1.24	1.82	0.56	69.0	1.02	27.48	30.72	39.04
		Success Lake	%99	1.22	1.64	0.53	0.64	0.87	29.38	32.47	39.01
	San Francisco	Lake Mendocino	63%	1.18	1.72	0.55	0.65	96.0	30.75	33.46	42.31
SWD	Fort Worth	Belton Lake	62%	1.16	1.58	0.53	0.62	98.0	34.79	37.48	44.69
		Canyon Lake	%02	1.21	1.76	0.56	0.68	66.0	27.11	30.11	38.74
		Ferrells Bridge Dam Lake O' The Pines	%19	1.18	1.72	0.53	0.62	0.92	32.44	35.05	44.61
		Grapevine Lake	%22	1.20	1.62	0.58	69.0	0.94	22.32	24.66	30.39
or,		Joe Pool Lake	%44	1.20	1.60	0.57	69.0	0.92	22.17	24.50	29.89
		Lavon Lake	81%	1.19	1.54	0.57	89.0	0.88	20.37	22.55	27.14
		Lewisville Lake	%92	1.20	1.66	0.58	69.0	96.0	22.49	24.85	31.00
		Sam Rayburn Reservoir	%09	1.17	1.68	0.51	09.0	0.88	35.14	37.65	46.88
		Somerville Lake	%59	1.17	1.59	0.52	0.61	0.84	32.69	35.07	42.33
		Waco Lake	%29	1.20	1.78	0.54	0.65	0.97	32.55	35.57	45.39
		Whitney Lake	%59	1.18	1.84	0.53	0.62	96.0	32.92	35.63	46.86
		Wright Patman Dam and Lake	%59	1.17	1.72	0.54	0.63	0.93	32.41	35.16	45.08
	Galveston	Addicks Dam	%62	1.19	1.61	0.54	0.65	68.0	22.96	25.19	30.99
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Table E5	Table E5 (Concluded)							;			
			Capture	Sa	Sales		Income			Sqof	
Division	District	Project	Rate	Type I	Type III	Direct	Type I	Type III	Direct	Type I	Type III
SWD (cont)	SWD (cont) Little Rock	Beaver Lake	%59	1.22	1.76	0.51	0.63	0.92	33.77	37.63	47.41
		Blue Mountain Lake	21%	1.15	1.49	0.45	0.52	0.71	39.23	41.40	48.29
		Bull Shoals Lake	%29	1.18	1.90	0.53	0.62	1.01	33.88	36.88	50.82
		Dardanelle Lake - Ark.Riv.Nav.Sys	63%	1.17	1.59	0.49	0.58	0.80	35.42	38.16	46.64
		David D. Terry Lock and Dam - Ark.Riv.Nav.Sys	%29	1.23	1.77	0.55	99.0	96.0	31.24	35.24	44.65
		Greers Ferry Lake	64%	1.17	1.71	0.50	0.59	0.87	35.03	37.68	48.19
		Millwood Lake	63%	1.17	1.65	0.53	0.62	0.88	33.32	36.12	44.99
		Murray Lock and Dam - Ark.Riv.Nav.Sys	%99	1.23	1.74	0.55	99.0	0.97	31.29	35.28	44.20
		Nimrod Lake	53%	1.14	1.46	0.45	0.53	0.71	41.55	43.62	49.66
		Norfork Lake	61%	1.16	1.94	0.48	0.57	0.98	37.65	40.49	55.63
		Table Rock Lake	%99	1.21	1.77	0.52	0.62	0.93	32.37	35.54	45.81
	Tulsa	Canton Lake	29%	1.18	1.50	0.43	0.52	69.0	41.02	44.31	50.49
		Eufaula Lake	%29	1.19	1.62	0.49	0.59	0.82	33.34	36.28	43.90
		Fort Gibson Lake	73%	1.13	1.61	0.55	0.62	68.0	27.35	29.28	37.17
		Keystone Lake	%62	1.22	1.69	0.51	0.63	0.89	25.88	28.97	36.17
		Oologah Lake	%62	1.22	1.69	0.51	0.63	0.90	25.92	29.03	36.15
		Tenkiller Ferry Lake	63%	1.22	1.73	0.48	09.0	0.88	36.12	39.73	49.15
-		Texoma Lake	%9/	1.17	1.71	0.47	0.56	0.83	27.26	29.78	38.98
		Average	%99	1.18	1.66	0.52	0.61	0.87	31.86	34.48	42.81
										(She	(Sheet 4 of 4)

REPORT DOCUMENTATION PAGE

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		5c. PROGRAM ELEMENT NUMBER
6. AUTHOR(S)		5d. PROJECT NUMBER
Wen-Huei Chang, Dennis B. Propst	, Daniel J. Stynes, R. Scott Jackson	5e. TASK NUMBER
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13. SUPPLEMENTARY NOTES

14. ABSTRACT

The U.S. Army Corps of Engineers (CE) is the largest federal provider of water-based recreation. It manages over 450 water resource development projects throughout the United States. These lake and river projects provide significant recreation opportunities and benefits to visitors and local residents, accommodating over 385 million person visits in 1999.

The purposes of this research are to develop visitor spending profiles and to estimate local and national economic effects of spending by visitors to CE projects. A visitor survey was conducted in the summer of 1999 through early 2000 at 16 CE projects across the nation. The survey was administered by the Engineer Research and Development Center of the U.S. Army Corps of Engineers and the Department of Park, Recreation and Tourism Resources at Michigan State University, with assistance from managers and staff at all 16 participating CE projects.

Segmented spending profiles were developed that can be tailored to project-level spending based on regional visitation data. Total recreation visitation was estimated by using information gathered from this study and from the Natural Resource Management System database. Economic effects of CE visitor spending were estimated by applying visitor spending and use data to regional economic multipliers generated from economic input-output models. These results provide a database for further analyses and improvements in future studies like these.

15. SUBJECT TERMS		IMPLAN		Projec	et
Corps		Lake		Recre	ation
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